Oil, Paint and Drug Reporter

The Chemical Market Authority Since 1871

ABC

Volume 150 No. 4 — Schnell Publishing Company, Inc., Publishers — July 22, 1946

ETHYLAMINE
BUTYLAMINE
AMYLAMINE

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METHYL ACETONE
TANK CARS TANK WAGONS DRUMS

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(Potassium Sodium Tartrate)
U.S.P. Powder and Granular

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NEW YORK · PHILADELPHIA · BOSTON · CHICAGO

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SYNTHETIC CHEMICALS
HIGH-PRESSURE SYNTHETIC CHEMICALS
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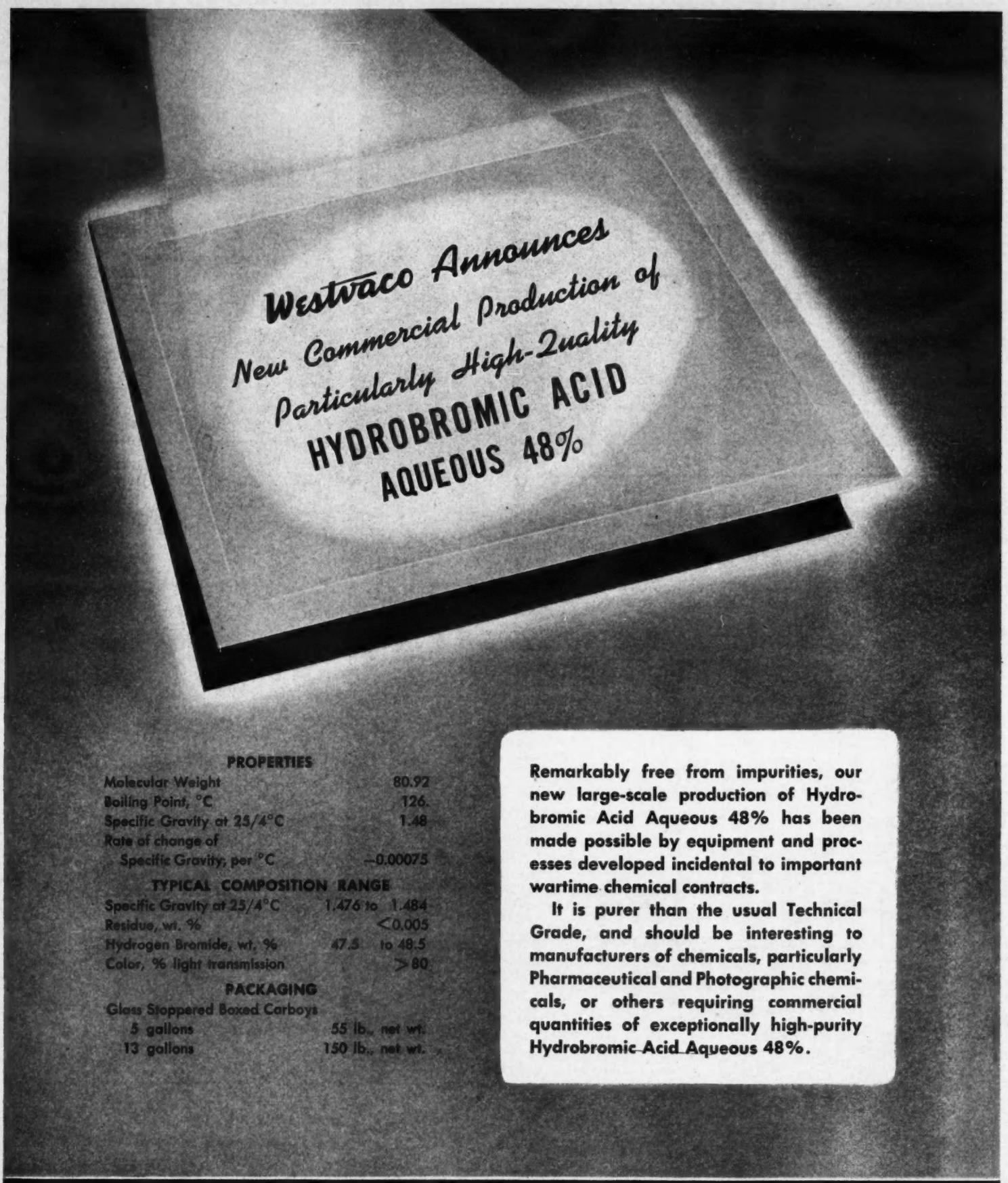

PROPERTIES

Molecular Weight	80.92
Boiling Point, °C	126.
Specific Gravity at 25/4°C	1.48
Rate of change of Specific Gravity, per °C	−0.00075

TYPICAL COMPOSITION RANGE

Specific Gravity at 25/4°C	1.476 to 1.484
Residue, wt. %	<0.005
Hydrogen Bromide, wt. %	47.5 to 48.5
Color, % light transmission	>80

PACKAGING

Glass Stoppered Boxed Carboys	
5 gallons	55 lb., net wt.
13 gallons	150 lb., net wt.

Remarkably free from impurities, our new large-scale production of Hydrobromic Acid Aqueous 48% has been made possible by equipment and processes developed incidental to important wartime chemical contracts.

It is purer than the usual Technical Grade, and should be interesting to manufacturers of chemicals, particularly Pharmaceutical and Photographic chemicals, or others requiring commercial quantities of exceptionally high-purity Hydrobromic Acid Aqueous 48%.

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WESTVACO CHLORINE PRODUCTS CORPORATION

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CHICAGO, ILL. • GREENVILLE, S. C. • NEWARK, CALIF.

Oil, Paint and Drug Reporter

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Streptomycin Civilian Distribution Outlined

OPD Washington Bureau

Preliminary plans for limited commercial distribution of streptomycin after September were outlined by Civilian Production Administration officials at a meeting of the Streptomycin Producers Industry Advisory Committee, CPA has announced.

The plan, as outlined by CPA, will follow that used with penicillin. Streptomycin will be issued to selected hospitals throughout the country, and they will act as depots for their area. The amounts of streptomycin that will be distributed, and the particular hospitals have not been determined as yet.

Although CPA reported that the June production of streptomycin, as indicated from preliminary reports, was lower than expected, it is felt that a sufficient quantity will be on hand for the inauguration of the proposed plan on September 1, 1946. May production of streptomycin was 38.750.9 grams.

Until the final arrangements, supported by production reports, have been made for the new program, civilian appeals for this drug will continue to be met only from the limited supply available under the research program of the National Research Council. These appeals are judged on the basis of clinical information submitted by the physician in charge of the individual case to Dr. Chester S. Keefer, Evans Memorial Hospital, Boston, Mass.

Committee members said that the sponsoring companies will continue the financial support of the Research Council's clinical research on streptomycin until September. The additional cost will increase to nearly

—Continued on page 40

FTC Trade Practice Parleys Fund Increased

OPD Washington Bureau

OPD Washington Bureau

A conference committee agreement to provide the Federal Trade Commission with $325,000 of additional funds during the fiscal year 1947, to enable it to start work on an expanded program of trade practice conferences, was reached July 18 by house and senate conferees on the Third Deficiency Appropriation Bill. This is an increase of $75,000 over the amount previously agreed to by the house, but $75,000 under the amount proposed by the senate. The commission had originally asked for $850,000.

Aim of the commission is to substitute, as far as possible, trade practice conference rules applying to entire industries for its present policy of issuing cease and desist orders against individual firms in the industry. In instances where there are a number of complaints against practices in an industry, it would be the policy of the commission to call a trade practice conference on its own motion, instead of waiting upon the industry to initiate the move, and obtain an agreement from the industry on a set of rules outlawing shady practices.

Where the elimination of unfair practices cannot be accomplished cooperatively, the commission would proceed simultaneously against all members of the industry found to be engaging in unfair trade practices.

Oil Output Stimulation Purpose of Senate Bill

OPD Washington Bureau

Senator Elmer Thomas of Oklahoma has introduced a bill (S. 2436) to stimulate the production of petroleum by granting exemption to persons and firms engaged in the transportation and distribution of natural gas produced as an incident of the production of petroleum from the provisions of the holding company act of 1935.

Firm Marks 23 Years

John Powell, president of John Powell & Co., manufacturer of basic materials for the insecticide industry, New York, whose company this month celebrated its twenty-third anniversary.

Littlejohn Succeeds Gregory as WAA Head

OPD Washington Bureau

Former Major General Robert McGowan Littlejohn, of South Carolina, has been confirmed by the senate as War Assets Administrator. He succeeds Lt. General Edmund B. Gregory.

Barbiturates Model State Bill Drafted

Representatives of the Medical Association and the American Pharmaceutical Association recently agreed on general principles to a proposed uniform state barbiturate control bill, based on the belief that the regulation of hypnotic drugs should be on a state rather than on a Federal basis. They feel that under no circumstances should barbiturates be classed as narcotics.

Cotton, Peanut Marketing Quotas Voiding Voted

The senate has voted its approval of two bills of the Department of Agriculture amending the agricultural adjustment act to make it unnecessary for the Secretary of Agriculture to proclaim marketing quotas for either cotton or peanuts next year.

The legislation was requested because there is such a shortage of the two crops that the secretary had no intention of proclaiming quotas next year in order not to place any curbs in the way of increased production.

Approval also was given another bill (H.R.5958) amending the Agricultural Adjustment Act to provide that when quotas are established for peanuts they are to be on the basis of 100 percent of the 1941 quota. At the present time the law limits the quota to 95 percent of the 1941 quota.

Labor Relations

Mitchell M. Shipman and Paul E. Anderson

Instalment VI

Preparations for Collective Bargaining—I

When the union representative and management have finally agreed to enter upon negotiations in good faith, it is advisable from management's standpoint to hold a meeting as soon as possible. At this meeting, representatives or committeemen from the union and management meet for the first time. From an experience which covers many of such meetings, it appears desirable that management should lead off.

Primarily, the first meeting should clear the air of bad impressions. From management's viewpoint, the notion of the *tabula rasa*, the mind that is clear state, should be evident. Everything begins from a new place. The union in its attempt to establish its place may have made charges. As the difficulties of organization have increased, it may have made extraordinary statements. Management, through its subordinates and otherwise, may have exercised its influence and kept up pressure to remain on the footing of individual negotiations with its employees.

These conditions are not quite uncommon. No one should continue to feel rancor about them. At the first meeting they should be dismissed. If not, they should be thoroughly discussed and got out of the way.

Management should come to this meeting with as full a background as possible. It should know about the union, its organization, its methods, and its politics. Possessing this information, it is easier to see the limits of the agreement. Usually, the union negotiator or representative is similarly informed about the company and its management.

Again, the extent of the union's preparation is evident, as well as the attitude of the union about the company. It is perhaps useful for management to have some rough idea of the kind of support the union gives its negotiators or representative. If there are factions in the union, it may cause an undue series of delays in negotiating on the union's side. To avoid a similar charge against itself, management should come fully armed with authority to discuss.

It is as natural that management should seek to clarify the meeting as it is to talk over things with the representative. Calmness of manner is important. The use of well-chosen words helps. Management's intention to achieve an agreement of which both sides will be be proud should be expressed and repated. If no other business is transacted than expressing goodwill, acting reasonably, and setting matters in an objective light, the meetings are off to a good start. These are important.

Management cannot forget that a majority of its employees elected to have a union. This is a paramount consideration for it. Management, therefore, must act in an impartial manner as to the employees represented. It must be willing to meet with the representatives of its own employees because the employees prefer this manner of meeting. Goodwill is an imperative, leaving aside the NLRA requirement of good faith.

In the first meeting, also, the long view should be taken. Labor relations are matters of prime importance in the productive process. Stability in these relations is a *sine qua non* in scheduling production. Management at the first meeting should be looking to stability, to flexibility and simplicity in its relations. As goodwill and confidence become manifest, so will agreements become simple and broad.

Successful collective negotiations for management require careful preparation. Labor comes fully armed. Management must be carefully prepared. What are the basic preparations that management must make?

Waterproofing Definition Argued Before FTC

OPD Washington Bureau

A division in industrial ranks over provisions of the proposed trade practice rules for the masonry waterproofing industry was an outstanding development of the hearings held on the rules July 18 by the Federal Trade Commission. This was the second hearing held on rules for the industry, the first having been held May 8, when the first preliminary draft was submitted.

It was not stated by Henry Miller, director of the Trade Practice Conference Division, whether further hearings will be held before promulgation of the final set of rules. The probabilities are that unless the commission feels the need of further hearings or industry demands an opportunity to be heard further, the next development will be the issuance of the final rules.

As was the case at the original hearings, most of the interest centered around Rule 2 governing the use of the terms "waterproof," "waterproofing," etc. The commission had modified the original rule in this respect to permit the product to be still termed a waterproofing compound when it is clearly shown the conditions under which it will make a structure impervious to water.

The exceptions to the general rule against referring to any material as a "waterproofing" compound unless it

—Continued on page 41

Methylethyl Ketone Gets Specification for Paints

The National Bureau of Standards of the Department of Commerce has tentatively drafted Federal specification for methylethylketone. The specification will be part of TT-P-141 covering paint, varnish, lacquer, and related materials; general specification for sampling and test methods.

Methylethylketone covered by this specification is intended for use as a solvent in paint and varnish remover, as an ingredient in thinners for nitrocellulose lacquers and in the formulation of organic coatings containing highly polymerized resins. It is also satisfactory for use for dewaxing lubricating oil.

Suggestions regarding the proposed specification must be received not later than August 10 by E. F. Hickson, chairman, Tech. Com. on Paints & Varnishes, Federal Specifications Board.

Theis Elected President J.L. Hopkins & Co.

Louis Theis, for forty seven years an employee of J. L. Hopkins & Co., botanical drug merchant, New York, was elected president of that company on July 18, following the death of Jesse L. Hopkins, founder of the company 56 years ago. Prior to his election, Mr. Theis had served the Hopkins company as vice-president. In addition to Mr. Theis as president, other officers of the company are:—Vice-president, E. I. Hopkins, son of the founder; treasurer, M. A. Carpenter who was Mr. Hopkins' private secretary for twenty years, and secretary, William C. Gehring. Executors for the Hopkins estate are Mr. Gehring, Miss Carpenter, and Mrs. A. M. Sartorius, daughter of Mr. Hopkins.

Oil Royalty Bill Passed in House

The House, July 16, passed legislation calling for the establishment of a flat royalty of 12½ percent on oil produced from new fields in the public domain.

The bill, intended to stimulate search for new wells, was sent back to the Senate for consideration of the House amendments, chief of which calls for the elimination of Indian lands for provisions of the bill.

Drug Industry Sanitation Studied

Organized study of sanitary conditions in the drug industry has been inaugurated by a sub-committee of the Combined Control Committee, which represents the American Drug Manufactures Association and the American Pharmaceutical Manufacturers Association. The scope of the study comprises the drug industry, as such, and also in its operations in the production of dietary supplies. Provision is made for the inclusion of the cosmetic industry should it so desire.

The work will culminate in a "Report of the Combined Contact Committee Subcommittee on Sanitary Conditions in the Drug Industry" which will be submitted to the two parent associations and then referred to the Food and Drug Administration. This will be designed to recommend ways and means of meeting the many principles involved, but will avoid specific demands or requirements which might not be generally applicable. The importance of adequate sanitation is recognized fully, but the means for reaching it will be left on a basis of recommendation and suggestion.

Specific work with respect of the several principles has been assigned to groups headed as follows:—

Introduction and general statements, D. M. Copley, of the Norwich Pharmacal Company.

Physical plant and personnel, C. E. Vanderklied, of McNeal Laboratories, and Frank B. Fisk, of the Pitman-Moore Company.

Raw materials, R. A. Cain, of Sharp & Dohme, Inc., and E. C. Merrill, of the United Drug Company.

Manufacturing and packaging hypodermic tablets, general pharmaceuticals, and ointments, W. P. Cusick with the cooperation of D. M. Copley on ointments; powders, S. E. Harris; extracts, fluidextracts and tinctures, H. E. Fortiner; ampuls, Richard Carroll; tablets and triturates, W. S. Johnston; chemicals and general pharmaceuticals, Edgar Carter.

The legal aspects of the subcommittee's findings will be looked after by James G. Flanagan, of S. B. Penick & Co.

Big-Little Inch Lines Bid Made by New Group

OPD Washington Bureau

A group headed by Charles H. Smith, president of the newly-formed Big Inch Gas Inc. and Big Inch Oil Inc., has submitted a bid to the War Assets Administration for acquisition of the Big Inch and Little Big Inch pipelines and the Southwestern emergency lines. The new concerns plan to spend more than $100,000,000 for acquisition of the lines and construction of new facilities.

CPA Names Deputy

OPD Washington Bureau

John D. Small, Civilian Production Administrator, has named Laurence F. Arnold, of Newton, Ill., as deputy administrator for small business.

Bids Wanted

Calcium Chloride:—1,000 pounds; Warden, Justice-Prisons, Federal Reformatory for Women, Alderson, W. Va.; invitation 6-1813, opening July 29.

Calcium Hypochloride: — 100 pounds, Warden, Justice-Prisons, Federal Reformatory for Women, Alderson, W. Va.; invitation 6-1813, opening July 29.

Lime, Hydrated:—2,000 pounds; Warden, Justice-Prisons, Federal Reformatory for Women, Alderson, W. Va.; invitation 6-1813, opening July 29.

Aluminum Sulphate:—3,000 pounds, Warden, Justice-Prisons, Federal Reformatory for Women, Alderson, W. Va.; invitation 6-1813, opening July 29.

Coke By-Products

Estimates of by-product coke-oven operations in the week ended July 13 indicate the following output of by-products from that source:—

Ammonia liquor NH_3	lbs.	1,000,920
Ammonia sulphate	lbs.	25,918,560
Benzol	gals.	3,266,160
Coaltar	gals.	12,116,400
Creosote oil	gals.	674,304
Naphthalene	lbs.	16,014,720
Phenol	lbs.	189,648
Toluol	gals.	653,232
Xylol	gals.	147,504

Obituaries

Jesse L. Hopkins

Jesse L. Hopkins, founder and president of J. L. Hopkins & Co., botanical drug importer, New York, died July 13 of a heart ailment in his

Jesse L. Hopkins

apartment in the Plaza hotel, New York. He was eighty-six years old.

A native of Baltimore, Md., Mr. Hopkins entered the drug business in that city as an office boy at the age of fifteen. He became a traveling salesman in the West for Sharp & Dohme, manufacturing chemists, and later was named manager of the company's New York branch. He was then associated with the firm of Dietz & Hopkins, and in 1892 organized the firm of J. L. Hopkins & Co., and was sole owner of the company from that time until his death.

Mr. Hopkins was a former president of the Drug and Chemical Club, an honorary vice-president of the New York Board of Trade, and a member of the Chemists' Club, National Wholesale Druggists Association, Federal Wholesale Druggists Association, Proprietary Association, American Pharmaceutical Manufacturers Association and the National Pest Control Association.

Surviving are a son, Edward Irving, and two daughters, Mrs. August Sartorius, and Mrs. Joseph Lockwood.

John A. Kenney

John A. Kenney, head of the technical sales service department of the

John A. Kenney

Barrett division of the Allied Chemical & Dye Corporation, New York, died in Gotham hospital, that city, on

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Lemon Oil Offered In Competitive Bidding

The Department of Agriculture is offering for sale another lot of Sicilian lemon oil, totaling 36,250 pounds, and will receive bids under announcement SC-94 until 5:00 p.m., August 2. Awards will be subject to the priorities and preferences granted under the surplus property act to veterans, State institutions, and others.

The sale of this lot of oil will be handled differently from that of the earlier lots. Whereas, previously, the price was fixed by the department prior to the sale and the material was allocated to those seeking supplies, the present lot will be sold to preference holders and others on a competitive price basis.

Bidders should make their offers under SC-94 to the Special Commodities Branch, Production and Marketing Administration, Department of Agriculture, Washington 25, D. C. Further details may be obtained from V. L. Bushman, of the department, telephone, Republic 4142, extension 4812.

Oil Compact Commission To Expand Membership

Expansion of the Interstate Oil Compact Commission to include non-oil producing states as associate members will be considered at the compact's quarterly meeting in Grand Rapids, Mich., August 8-10. Proposals to enlarge the compact by creation of associate membership was given the green light by the executive committee meeting in Oklahoma City recently. States with no oil or gas production, but with good prospects for such production, would be eligible.

The state of Georgia has requested associate membership, and Earl Foster, compact secretary, is of the opinion that other states will desire to take advantage of this new type of membership.

Program for the Grand Rapids meeting has been completed. Highlight of the program is an address by Julius A. Krug, Secretary of Interior, scheduled for August 10. It will be his first appearance before a petroleum industry group since his appointment. Other speakers will be P. J. Hoffmaster, director of the Michigan Department of Conservation, and Don T. Andrus, Bradford, Pennsylvania's representative on the commission.

Sterling Asks Dismissal Of FTC Complaint

Sterling Drug Inc., New York, has asked that the Federal Trade Commission dismiss its complaint that the company made false claims in advertising certain products.

The company denied it had claimed any therapuetic effect for cleansing and skin creams bearing the trade mark of Phillips Milk of Magnesia, to which the commission had objected. The company said the creams are cosmetics, are truthfully advertised as such, and no contrary claims ever were made.

OPD Price Index

The OIL, PAINT AND DRUG REPORTER's relative record of prices for chemicals and related materials is currently as follows:—

July 18, 1946	July 11, 1946	July 20, 1945
138.6	**137.0**	**133.7**

The base of the OPD Price Index is the average of prices in 1929 and 1936, those years representing extremes of price undulations in the interwar period.

Price changing became still more active last week in the markets for chemicals, oils, and drugs, and advances far outnumbered, as well as greatly outweighed, reductions. The latter also were more narrowly confined to customary wartime areas. The list of changes as a whole took on a once familiar prewar expansiveness.

Essential oils were the only group to show a net decline in average price level; four of the other nine groups showed no change. Oils and fats led the upward movement with an advance of more than 12 points.

Butyl Alcohol, Acetate Inventory Quotas Cut

OPD Washington Bureau

Inventory restrictions of Priorities Regulation 32 were amended by the Civilian Production Administration July 17 to prohibit manufacturers and users of normal butyl acetate and butyl alcohol from maintaining an inventory of these products of more than a forty-five day's supply.

John D. Small, Administrator of CPA, announced the action, together with tighter inventory requirements applying to an extended list of other products, as a move designed to assure a steady and rapid flow of new production of materials and appliances in which these materials perform an important function in processing.

At the present time the only inventory restrictions applying to butyl acetate and alcohol are those in Priorities Regulation No. 1, which limit the level to the normal operations of the producer or user. Because of the corn shortage and its effect in curtailing production of butyl alcohol and acetate, while a shortage exists in the products using these materials in their manufacture, it was felt necessary to limit the amount that any person can hold at one time in order to spread out available supplies. Mr. Small said:—

What we are after is to see that scarce materials go to the manufacturer whose finished products go immediately to the consumer, rather than to those who plan

—*Continued on page 41*

Navy Dept. Authorized To Expand Research

OPD Washington Bureau

The senate has voted its approval of H.R. 5911 authorizing the Navy Department to regroup and expand its research activities under an Office of Naval Research in line with recommendations made to Congress recently by the department. Provision is contained in the bill for the appointment also of a Naval Research Advisory Committee consisting of persons preeminent in the fields of science and research to consult and advise the chief of the office in research matters.

Several clarifying amendments were made to the bill, including the addition of a proviso that will enable any funds appropriated to the office for research work to remain available for expenditure for four years when obligated during the year approuriated. Existing law permits appropriations to remain available only for two years before unexpended balances revert back to the Treasury. Because of these amendments the bill now goes back to the house for concurrence.

Ammonia Sulphate Shipped to Puerto Rico

OPD Washington Bureau

Approximately 30,000 tons of ammonia sulphate and 3,600 tons of ammonium nitrate will be shipped between now and August 15 from the United States to Puerto Rico for fertilization of the sugar cane crop, the Civilian Production Administration said.

Puerto Rican cane producers, large consumers of ammonia sulphate, have been receiving reduced shipments of these fertilizers because of the recent steel and coal strikes.

CPA, at the request of the Departments of Agriculture and Interior, secured the cooperation of the domestic producers in expediting these deliveries in time for fertilization of the new crop. The last deliveries will be made in early August. Arrangements for further deliveries are being studied.

Owens-Illinois Acquires Kimble Glass Co.

The Owens-Illinois Glass Company, Toledo, Ohio, has formally acquired the Kimble Glass Company, Vineland, N. J., for a consideration of 264,160 common shares of Owens-Illinois.

Colonel Evan E. Kimble, head of the acquired firm, was added to Owens-Illinois board, succeeding C. B. Belknap, who will devote his time exclusively to coordinating the company's various research projects.

Argentina to Buy Locust Insecticides

An appropriation of $9,000,000 for the purchase of insecticides and equipment for exterminating locusts has been authorized by the Argentine government, according to the Department of Commerce.

The locusts are endangering agricultural crops, particularly fruit, and the cattle industry, which together represent an income of $1,000,000,000.

Most of the insecticides and equipment purchased will be used directly by agriculturists and cattle growers; the remainder will be used by the government.

Hercules Rents Ammonia Plant from WAA

OPD Washington Bureau

The $14,000,000 ammonia plant at Lake Charles, La., formerly operated by Mathieson Alkali Works, Inc., under contract with Reconstruction Finance Corporation, has been leased to the Hercules Powder Co., Wilmington, Del., for ten years with rental fee based on percentage of net sales with a guaranteed minimum, War Assets Administration has announced.

The Hercules Company plans to produce ammonium nitrate for fertilizer and chemicals. Any time during the term of the lease the company may purchase the plant at a price to be determined at the time the contract is negotiated, WAA said.

Cancer Research Fund Voted by House Group

The house foreign affairs committee has approved a $100,000,000 cancer research bill, after amending it so that it provides the funds be handled by an "independent group" of scientists and laymen appointed by the president. It also added two minor amendments to make it conform with a similar bill already approved by the Senate Foreign Relations Committee.

Concentrates on Exports

Guy L. Marsters, vice-president and a director of the Norwich Pharmacal Company, Norwich, N. Y., has relinquished management of the company's Eastern sales division to devote his full time to his duties as director of export and manufacturers' sales operations.

I.G. Farben Plants Sale Gets Underway

Approximately thirty-five smaller plants of the I. G. Farbenindustrie will be sold on the open market, the American Military Government announced in Berlin last week. The plants, located in the various occupation zones in Germany, are of the type which can be operated independently without interference to the production of chemicals reserved for the postwar German economy after reparations.

The I. G. Farbenindustrie controlled, directly or indirectly, more than 600 plants, with the bulk of them in the Russian zone.

Southern Production Club Sets 1947 Meeting

The 1947 meeting of the Southern Paint and Varnish Production Club will be held in Memphis, Tenn., on March 20-21, with headquarters in the Peabody hotel.

Antimony Shortage To Continue in 1946

OPD Washington Bureau

Supplies of antimony are expected to continue short throughout the remainder of the year by the Civilian Production Administration, according to an analysis of the supply and demand situation in this material made public by the agency July 18.

CPA said that imports have dropped considerably due to (1) depeletion of government stocks which were stored in South America, (2) a keener competition for available foreign production by other countries, many of which were deprived of antimony during the war and (3) lack of production from China, normally the world's leading producer, which requires time for recovering its war devastated industry.

This pessimistic outlook, the agency added, comes at a time when domestic requirements are increasing, and will be much greater than the prewar normal, and may even be as great as those for last year when much of the available supply was going into military uses.

The current policy of the CPA is to limit private inventories to minimum working levels and spread withdrawals from government stocks over as long a period of time as possible. This is an effor to make the stocks and supplies go as far as possible and thereby assist industry until adequate imports can be received.

During the past year, in order to hold the price of antimony within the price ceiling, the major part of domestic production has been obtained by government assistance. Future policy on this will be governed by the ability of industry to obtain their own raw material supplies within the present or future prevailing price structure, it was stated.

Antimony stocks, both government and private, in terms of tons of antimony content, reveal a total at the January 1, 1946, period of 24,505 tons, of which the government held 7,592 tons of ore, 2,554 tons of metal, 91 tons of oxide. Private stocks for the period of January 1, 1946, totaled 24,505 tons; 7,610 tons of ore, 1,638 tons of metal, 2,275 tons of oxide, 190 tons of sulphide, 2,547 tons of scrap.

At April 1, 1946, government stocks showed 3,380 tons of ore; 3,362 tons of

—*Continued on page 40*

Foreign Trade Zone Set for New Orleans

A grant to operate a foreign-trade zone at the port of New Orleans, La., was issued July to the Board of Commissioners of the Port by Henry A. Wallace, chairman and executive officer of the Foreign-Trade Zones Board. The grant was issued in accordance with the Celler foreign-trade zones act approved June 18, 1934, which is designed to expedite and encourage the import, transshipment and reexport trade of the United States. Applications for grants to operate a zone in San Francisco, Calif.; Houston, Tex.; and San Juan, P. R., are pending.

WAA to Scrap 26 Ordnance Plants

OPD Washington Bureau

The Welding Spring Ordnance Works, St. Louis, will be torn down to provide lumber and other scarce building materials for emergency housing, the War Assets Administration has announced. This ordnance, built in 1940 on 17,622 acres in St. Charles county, at a cost of $15,000,000 is one of the twenty-six surplus material and naval installations in nineteen states destined for scrapping. The Ordnance produced trinitrotoluene and dinitrotoluene during the war.

N.Y. Pharmacy Board Reappointed

The New York Board of Regents at a meeting in Albany reappointed the following members of the Board of Pharmacy of the State New York, each for a term of three years beginning August 1, 1946:—

Robert R. Gerstner, New York; Bori M. Liebman, New York; Willard Roberts, Utica

Washington Talks It Over

The OPD Observer

Policies of the Civilian Production Administration in the matter of lessening government control over materials have taken a decided change in recent months. The view now seems to be widespread throughout the agency that it might have moved entirely too fast a year ago in tossing away its control orders and that a tightening up of controls must be had.

The freedom that has been given industry to produce without government restrictions has not produced the desired results of putting things back on the shelves of consumer outlets. Although the wave of strikes that followed the ending of the war and the subsequent uncertainty over prices are principally the cause of the continued dearth of consumer goods, CPA officials insist that these are not the only causes.

Another stated reason is that shortages are being experienced domestically because a large volume of necessary raw materials are finding their way into export markets. For the past several weeks the CPA Administrator has been suggesting this as a loophole that should be plugged and has been in conference on numerous occasions with the Office of International Trade, urging that it take immediate steps to expand its list of products that can be exported only under individual licenses. He is even going further and suggesting that control over exports be transferred from OIT to CPA.

OIT is resisting the movement, however, to take away its controls and is disputing the figures being cited by CPA on the amount of goods slipping away. Nevertheless it has, of late, been adding more products to its "positive" list than it has been taking off.

Farmers Urged to Buy Lands

Farmers are being urged by the Department of Agriculture to invest in the land they already own rather than to buy more acres. With land prices at high levels in most areas, expenditures for improving or stabilizing the income prospects frequently will bring better returns than the purchase of unneeded additional land, the experts caution.

By investment, the department means that the farmers should enlarge their purchases of fertilizers. The significant increase in farm output during the war took a heavy toll of soil resources, and expenditure for lime and fertilizer to resotre and increase productive capacity of these farms will prove to be a sound investment.

Te department points out that the practices that have been developed in recent years for building up the carrying capacity of pastures have demonstrated that expenditures for pasturage improvement can materially stabilize and increase the farm income.

Health Insurance Shelved

The Wagner-Murray-Dingel national health bill, with its provisions for compulsory health insurance, has been officially placed on the shelf for the rest of the year, legislatively speaking, but the fight for its enactment ultimately will go on unabated. The senate education and labor committee has decided that passage of the bill is impossible this session and has called off all further hearings.

Public sentiment for the legislation has been lagging ever since its intro-

—*Continued on page 34*

Every precaution is taken to maintain NYQ's standard of purity. Nothing but distilled water or water purified by the most up-to-date process is used for solutions, crystallization and washing of insoluble precipitates. This precludes any contamination from water.

This is just one of the many reasons why you can rely on chemicals bearing the NYQ label.

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Bismuth Subcarbonate
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and other Bismuth Salts

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Ditolylguanidin

Rubber—Accelerator in vulcanizing processes.

Starting point (U.S. 2298470) in making delayed-action vulcanization accelerators by heating with a monoterpenemaleic anhydride additive product and a carboxylic acid containing 17 carbon atoms.

3:5:6:3′:5′:6′-Hexachlorodihydroxydiphenylmethane Sodium Salt

Disinfectant—Claimed (Brit. 557097) as a bactericide.

Insecticide and Fungicide—Claimed (Brit. 557097) as a fungicide.

Jojoba Oil

Fats, Oils, and Waxes—Oil (now in experimental development stage) thought to be potentially useful in chemical processing, cosmetic compounding, leather processing, lubricant formulations, soapmaking, transformer oil formulations, wax polishes.

Vegetable oil described as having the following properties:—Freedom from color and odor, limpid character, remarkable stability under heat.

Methylrhodanin, Normal

Photographic—Starting point (Brit. 540577 and 540578) in making red or bluish photogensitizing dyes for cellulose acetate film by condensing with the anhydride or ortho-ester of a monocarboxylic acid in the presence of a strong base.

Book Reviews

A Business of Your Own, by Gus Larson, Robert H. Johnson, Walter M. Teller, 364 pages, 8½ x 5½, Prentice-Hall, Inc., New York, N. Y., $3.00.

This book provides practical directions on how to become your own boss and to make a success of a small store or business. In a straightforward, clear-cut way it tackles such important questions as how much capital investment you need to get started and goes into exactly what are the best investments with the most future promise.

Physical and Chemical Examination of Paints, Varnishes and Lacquers and Colors, by Henry A. Gardner and G. G. Sward, 650 pages, 10½x11⅜, Henry A. Gardner Laboratory, Inc., Maryland, $18.50.

In this tenth edition the authors have discussed the advances in the technical developments that have taken place in the paint industry in the past six years. This edition contains over 1,100 illustrations, charts and tables as well as having over 200 color cards. The edition is replete with illustrations of new types of testing apparatus. This limited edition has a production cost of nearly $15,000 over and above the existing plates of the ninth edition and without allowance for preparation.

Association Meetings

American Association of Textile Chemists and Colorists, Statler Hotel, Boston, December 12-15.

American Chemical Society, semi-annual meeting, Chicago, September 9-13.

American Forest Congress, Washington, D. C., October 9-11.

American Mining Congress, Denver, September 9-12.

American Pharmaceutical Association, William Penn hotel, Pittsburgh, Pa., August 25-30.

American Soybean Association, Jefferson hotel, St. Louis, August 29-31.

Associated Chain Drug Stores, New Yorker hotel, New York, September 16-18.

Federal Wholesale Druggists Association, Claridge hotel, Atlantic City, N. J., September 17-19.

Federation of Paint and Varnish Production clubs, Traymore hotel, Atlantic City, N. J., November 4-5.

National Foreign Trade Council, Waldorf-Astoria hotel, N. Y., November 11-13.

National Paint, Varnish and Lacquer Association, Traymore hotel, Atlantic City, N. J., November 6-8.

National Pest Control Association, Roosevelt hotel, New Orleans, October 28-30.

National Wholesale Druggists Association, Traymore hotel, Atlantic City, September 23-26.

Fertilizer Plant Bill Dead Issue

OPD Washington Bureau

The congressional controversy over appropriation of funds for the construction of a phosphatic fertilizer plant at Mobile, Ala., came to an end July 15 when the senate abandoned its efforts to get the house to agree to a $3,000,000 fund for the project.

The senate agreed to drop the matter after the house, on two previous occasions by large majority votes, recorded itself against putting the government further in the business of fertilizer production in competition with private industry. The senate dropped the project without a word of explanation when the conference report on the corporation appropriation bill (H. R. 6777) of which the project was a part, came up for consideration.

Antibiotics Research Fellowships Offered

Schenley Distillers Corporation, through its subsidiary, Schenley Laboratories, producer of penicillin, New York, has established at the University of Wisconsin a number of post-doctorate research fellowships for the study of factors affecting the production of antibiotics and their action on human, animal and plant diseases.

The fellowships have been established for a three-year period and will be assigned by the university to the departments of agriculture, bateriology, biochemistry, plant pathology, veterinary science and botany.

Metals Society Names Boegehold for President

Arthur L. Boegehold, chief of the metallurgy department, research laboratories division of the General Motors Corporation, Detroit, has been nominated for president of the American Society for Metals. He is now vice-president.

Francis B. Foley, superintendent of research for the Midvale Company, has been nominated for vice-president, and William H. Eiseman has been named for national secretary.

Dr. John E. Dorn, associate professor of physical metallurgy at the University of California, and Dr. Arthur E. Focke, research metallurgist of the Diamond Chain & Manufacturing Company, have been nominated as trustees.

Farm Products Research Expansion Bill Passes House

OPD Washington Bureau

Legislation providing for a vast expansion in research work by the Department of Agriculture to find new industrial uses for farm products, with particular interest in those crops and plants which may be adapted to utilization in the chemical and manufacturing industries, and to explore the possibilities of bringing about changes in the system of marketing agricultural products which would narrow the spread between producer and consumer prices, was passed unanimously by the house July 15.

The bill (H. R. 6932), which is similar in purpose to the agricultural research bill in the senate, S. 1908, but does not include the provisions of that bill which would turn over the government's surplus war plants to the Secretary of Agriculture for demonstration work, is the result of three years of study by the house committee on agriculture into the problems of agriculture. It carried the unqualified endorsement of the Department of Agriculture and each of the leading farm organizations.

There are three titles to the bill, the general effects of which are to broaden the existing authority of the department to engage in research in production and utilization of farm crops, and greatly to augment the amount of money to be spent in this work. Appropriations starting at $2,500,000 in 1947 and going up to $20,000,000 in 1951 are to be made available to the state experiment stations for production research, and funds ranging from $3,000,000 in 1947 to $15,000,000 in 1951 are made available for utilization research.

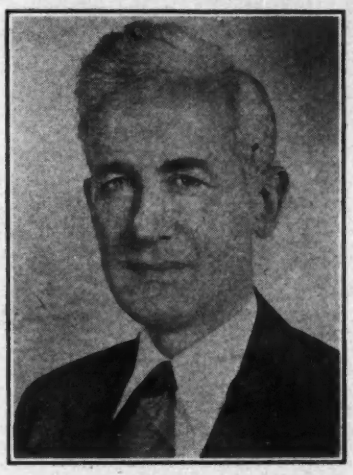
Title II of the bill provides for research in the marketing of agricultural products and may well prove to be one of most important phases of the entire program. Commenting on this part of the work, the committee report had this to say:—

It is generally recognized and admitted that many of the major and most pressing problems in agriculture lie in the field of marketing and distribution. In the past, major emphasis has been placed on problems of production, and marketing problems to a large extent have been ignored. Unless intensive research is carried out to improve the processes of distributing agricultural products capable of being produced in abundance, many of the benefits and improvements developed through research in the field of production will be dissipated. Production is but half of the

—Continued on page 46

American Chemical Society Activities

More than 1,000 chemists from the laboratories of the oil industry and the nation's technical schools will celebrate the twenty-fifth anniversary



Dr. Stewart S. Kurtz jr.

of the organization of the Petroleum Division of the American Chemical Society at Chicago during the week of September 9.

Numerous addresses dealing with problems of the industry will be de-

—Continued on page 42

Mineral Resources Conference Postponed

The World Conference on Mineral Resources sponsored by the American Institute of Mining and Metallurgical Engineers, and originally scheduled for September 16-18 in New York, has been postponed until the week of March 17, 1947. The postponement was caused by the shortage of hotel accomodations, which are being utilized for representatives of the United Nations.

German Research Reports

OPD Washington Bureau

A method for pulping beechwood with waste nitric acid, yielding an average of 36 percent dry pulp from dry wood, has been used for about 12 years in the Agfa film plant of the I. G. Farbenindustrie, near Leipzig, according to a report new on sale by the Office of the Publication Board. The pulp was used for manufacture of cuproammonium rayon, staple fiber, and cellulose acetate.

The report was made by A. M. Malcolm for the British Intelligence Objectives Sub-Committee.

The process involved cooking the wood chips in a digester with dilute nitric acid. The nitric acid used was waste acid from dyestuffs manufacture. Cooking was followed by a neutralization treatment with soda lye. The pulp was then removed from the digester for chlorination refining with strong soda lye, and bleaching. After passing the last filter, most of the pulp was brought to a 50 percent concentration by a high-pressure press and cut up into flocks.

The German inventor stated that the alpha cellulose content of the pulp after chlorination was 88-89 percent, but this was not borne out by the samples examined by the investigator. Some members of the plant did not share the inventor's enthusiasm for the nitric acid method. Cost of the pulp was estimated roughly at from $225 to $240 a ton. The report describes the plant and production process, includes a flow sheet, and gives cost figures and a chemical analysis of the products.

Orders for the report (PB-18906; photostat, $1; microfilm, 50 cents; 13 pages) should be addressed to the Office of the Publication Board, Department of Commerce, Washington 25, D. C., and should be accompanied by check or money order, payable to the Treasurer of the United States.

Tanning Liquors

Artificial tanning liquors have found a definite place in the German leather industry and have been used to good advantage to supplement and to improve blendings of natural tannins, according to a report now on sale by the Office of the Publication Board, Department of Commerce. This report, made for the British Intelligence Objectives Sub-Committee, describes the Germans' use of by-products from waste sulfite liquor as artificial tanning agents. The use of the waste liquor was economical and supplemented the limited supply of bark tannins in Germany.

Advantages claimed for the by-

—Continued on page 55

Plastics Industry Sets 1947 Convention Date

The Society of the Plastics Industry will hold its annual convention, and conduct its second National Plastics Exposition, at the Stevens hotel, Chicago, May 5-11, 1947.

Fertilizer Industry Problems Discussed

OPD Washington Bureau

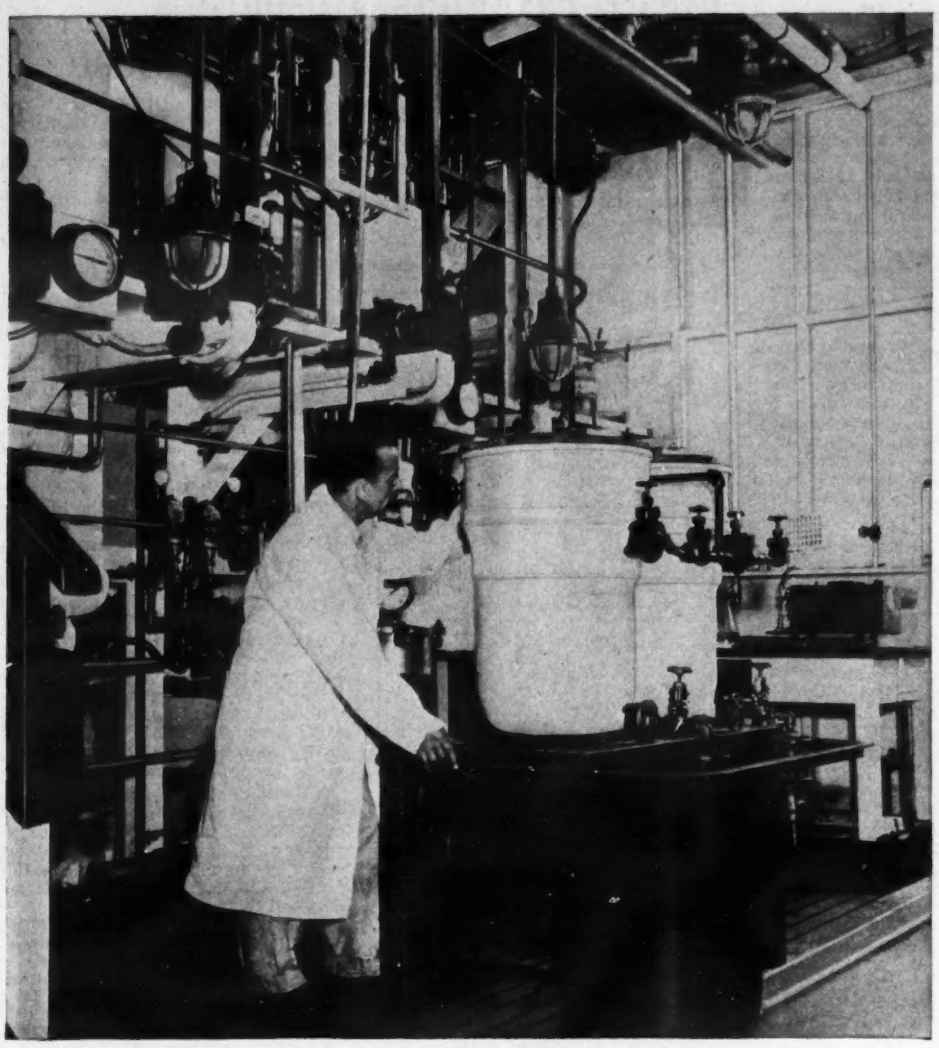
The National Fertilizer Association was host at a luncheon given members of the press July 16 at the Statler hotel here to meet the association's new president, Maurice H. Lockwood, who assumed his duties July 1. He was introduced to the gathering of about thirty representatives of the business papers, press associations and associates in his organization by Daniel Murph, secretary.

In a brief address, he outlined some of the problems facing the industry, both political and economic, and predicted a postwar trend in the industry towards a narrowing of the ratio between phosphoric acid and nitrogen and potash in mixed fertilizers. He described his as "an industry on the spot" that has been made subject of continuous charges of a political nature, but believed that all of them can be answered.

Mr. Lockwood said that nine percent more fertilizer will probably be available for the use of American farmers in 1946-47 than was produced and used during 1945-46, and added that the supply outlook for 1946-47 is up for all three of the major nutrients, with superphosphate the brightest. Apparently, he said, nitrogen will be up about 2 percent over 1945-46, and potash up about 5 percent, while phosphoric acid as superphosphates will be produced in an amount approximately 14 percent greater than during this past year.

Davison Chemical Gets Phosphate Properties

Stockholders of the Southern Phosphate Corporation at a special meeting in New York approved the sale of the company's Florida phosphate properties to the Davison Chemical Corporation, Baltimore, for $3,600,000. Transfer of the properties is tentatively set for August 1.



Final stage in the purification of penicillin—the removal of pyrogens by filtration of the penicillin concentrate.

★ ★ ★

Penicillin Merck meets the recognized high standard of quality established for all Merck products. It is subjected to repeated tests and control procedures throughout every step of the production process, and the finished product is assayed, tested, and approved under rigid standards established by the Food and Drug Administration and by the Merck Analytical Laboratories.

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A GLIMPSE AT THE RECORD

IN 1940 Merck research on antibiotics concentrated on Penicillin.

IN 1941 Merck brought about a reciprocal arrangement between British and American investigators to spur the production of Penicillin in co-operation with the United States and British governments.

IN 1942 Merck supplied Penicillin for the first case of bacteriemia successfully treated with this drug in the United States.

IN 1943 Merck sent shipments of Penicillin to England by air transport for urgent therapeutic use by the United States Army Medical Corps.

IN 1944 AND 1945 Merck produced ever-increasing supplies of Penicillin for our Armed Forces.

AND NOW, Merck production of Penicillin has reached a point where large quantities of high-quality Penicillin are being produced for civilian medical needs.

PENICILLIN
MERCK
ACCEPTED AMERICAN MEDICAL ASSN.
Council Accepted

Literature on request

MERCK & CO., Inc. *Manufacturing Chemists* **RAHWAY, N. J.**

In Canada: MERCK & CO., Ltd., Montreal • Toronto • Valleyfield

Current Market Quotations Chemicals and Related Materials

July 18, 1946

Unless otherwise indicated, quotations are first-hands on large lots, f.o.b. New York. Price changes and trends are noted in the market reports, with other informative comment. The locations of these reports are given in the table of contents on page 4.

All matters under this heading fully protected by copyright.

A

Acacia (see Gum, Arabic).

Acetaldehyde, 99%, dms., 55 gals., works..lb. .11 - —
5 and 10 gals., works....lb. .14 - —

Acetaldol (see Aldol).

Acetamide, CP, fib. dms., 5,000 lbs. a year, works..lb. .36 - —
smaller lots, works.....lb. .35 - .70

Acetanilide, tech., fib. dms., 5,000 lbs. a year, works..lb. .28 - —
smaller lots, works.....lb. .30 - .50

Acetanilide, tech., cryst., bbls.lb. .29 - .31
powd., bbls. .....lb. .27 - .29

USP, cryst., bbls. .....lb. .36 - .37
kgs. .....lb. .37 - .39

powd., bbls. .....lb. .34 - .35
kgs. .....lb. .35 - .37

Acetic anhydride, dms., c.l., frt. alld..lb. .11½ - —
l.c.l., frt. alld.....lb. .13 - —

Acetoacetanilide, bbls., dms...lb. .49 - .67

Acetone, CP,[1] dms., c.l., divd.lb. .07 - —
l.c.l., divd.....lb. .07½ - —
tanks, divd. .....lb. .06 - —

Methyl (see M).

Acetonitrile, dms., c.l., works.lb. .35 - —
l.c.l., works .....lb. .40 - —

5-gal. lots, works.....lb. .45 - —
less than 5-gal. lots, works.lb. .50 - —

Acetophenetidin, USP, bbls., kgs., 1,000-lb. lots..lb. 1.00 - —
dms. .....lb. 1.06 - 1.10

Acetophenone, cns., dms.....lb. 1.50 - 1.75

Acetyl chloride, cbys., works.lb. .60 - —

Acid, abietic, dcmas., c.l., wks..lb. .07½ - —

Acetic,[1] com'l or redist., 28%, bbls..100 lbs. 3.38 - 3.63
50%, bbls.....100 lbs. 5.38 - 5.83
70%, bbls.....100 lbs. 6.68 - 6.96
80%, bbls.....100 lbs. 7.47 - 7.72
99.5%, bbls.....100 lbs. 9.15 - 9.40
glacial, nat., c.p., dms., works, 100 lbs.12.50 -13.25
99.5%, bbls. .....100 lbs. 9.15 - 9.40
tanks .....100 lbs. 6.92 - 7.25
synth., tech., bbls., works, 100 lbs. 9.15 - 9.40
dms., works ....100 lbs. 9.25 - 9.75
tanks, works.....100 lbs. 6.93 - 7.25
USP, dms., works..100 lbs.10.50 -11.00
pure, 30%, bbls.....100 lbs. 4.41 - 4.69
50%, bbls.....100 lbs. 4.86 - 5.11
60%, bbls.....100 lbs. 7.00 - 7.35
80%, bbls.....100 lbs. 9.25 - 9.51
USP, 30%, cbys.....lb. .08 - .10

Acetic acid price ranges above are for c.l. and l.c.l. quantities. Carboys and cases are 50c. per 100 lbs. higher.

Acetic anhydride (see Acetic anhydride).

Acetylsalicylic,[1] special, USP, bbls., makers, primary distrib., point of shipm't, 100-lb. lots..lb. .45 - —
smaller lots.....lb. .46 - .50

standard USP, fine cryst., gran. (20-40 mesh), powd. (80 mesh), bbls., same basis. lb. .40 - .54

Freight equal'd, shipment identical quantity over standard routes, from N. Y. City, Phila., Midland, Mich., Chicago and St. Louis.

Aminoacetic, USP, cryst., powd., bbls., frt. adjusted..lb. 1.25 - 1.30

Aminoacetic, USP (see Glycine).

Anthranilic, resub., bbls.....lb. 1.20 - 1.25
tech., bbls.....lb. .95 - —

Arsenous, tech. (see Arsenic, white).

USP, powd., dms., kgs.....lb. .20 - .22

Ascorbic,[1] USP, dms., 500-kilo lots..kilo.24.50 - —
25-50 kilo lots.....kilo.25.00 - —
10-kilo lots.....kilo.25.35 - —
5-kilo lots.....kilo.25.70 - —
bots., kilo lots.....kilo.26.41 - —
500 grams.....kilo.27.47 - —

Battery, cbys., c.l., E. works.. 100 lbs. 1.90 - —
l.c.l., E. works.....100 lbs. 1.95 - 2.55

Benzoic, tech., bbls., 4,000 lbs. or more..lb. .43 - —
1,000 to 3,900 lbs.....lb. .44 - —
900 lbs. or less.....lb. .47 - —

USP, bbls., 4,000 lbs. up..lb. .54 - —
1,000 to 3,900 lbs.....lb. .56 - —
900 lbs. or less.....lb. .58 - .59
dms., 4,000 lbs. up.....lb. .56 - .56
1,000 to 3,000 lbs.....lb. .56 - .57
900 lbs. or less.....lb. .58 - .59

Betaoxynaphthoic, bbls., works. lb. .95 - —

Boric, tech., 99.5% cryst. (same as prices for powder). gran., bgs., c.l., frt. alld.. ton.99.90 - —
ton lots, ex whse..ton.111.00 - —
less than ton lots, ex whse..ton.118.00 - —
bbls., c.l., frt. alld..ton.109.00 - —
ton lots, ex whse..ton.121.00 - —
less than ton lots, ex whse..ton.128.00 - —
bulk, frt. alld.....ton. 96.50 - —
powd., bgs., c.l., frt. alld.. ton.104.00 - —
ton lots, ex whse..ton.116.00 - —
less than ton lots, ex whse..ton.121.00 - —
bbls., c.l., frt. alld..ton.114.00 - —
ton lots, ex whse..ton.126.00 - —
less than ton lots, ex whse..ton.131.00 - —

USP $25 per ton higher.

Butyric, 99%, dms., c.l., works, lb. .20 - —
l.c.l., same basis.....lb. .30 - —

Broener's, bbls.....lb. 1.11 - —

Acid, cacodylic, bots.....lb.13.50 -14.50
Camphoric, cns.....lb. 6.95 - 7.00
Caprylic, 99%, dms.....lb. No stocks
Capric, tech., ret. dms.....lb. No stocks
Castor oil,[1] split, ret. dms....lb. No stocks
Chlorosulphonic, dms., c.l., works..lb. .03 - —
l.c.l., works.....lb. .03½ - .04½
tanks, works.....lb. .02½ - —

Chromic, 99½-99¾%, dms., c.l., lb. .17 - —
l.c.l. .....lb. .17½ - .19

Cinnamic, refd., bots.....lb. 3.00 - 3.25

Citric, anhyd., gran., dms., c.l..lb. .22½ - —
l.c.l., 10,000 lbs. 1 ship't, lb. .23 - —
smaller lots, bbls.....lb. .23 - —
dms. .....lb. .25½ - .26½
kgs. .....lb. .24 - —

USP, cryst., gran., bbls., c.l., lb. .20 - —
l.c.l., 10,000 lbs. 1 ship't, lb. .20½ - —
smaller lots, bbls.....lb. .21 - —
dms. .....lb. .23 - .24
kgs. .....lb. .21½ - —
powdered citric acid, ½c. higher.

Cleve's, bbls.....lb. .65 - —

Coconut oil,[1] dist., dms.....lb. .17½ - .19½

Corn oil,[1] a.d., dms., c.l., wks. lb. .12 - —

Cottonseed oil,[1] a.d., dms., c.l. lb. .12 - .13
tanks, divd.....lb. .11¼ - .12¼

Cresylic, dom. coaltar, high-boil 50% (210°-215°), low boil 50% (204°-206°), and special blends, dms., c.l., works, frt. equald..gal. .81 - .96
l.c.l., same basis....gal. .83 - .98
tanks .....gal. .75 - .90

Petroleum, heavy grade (247°-298°), dms., 20, Cal. ref..gal. .490 - —
Sewaren, N. J., ref.. gal. .616 - —
1-19, Cal. ref.....gal. .510 - —
Sewaren, N. J., ref.. gal. .636 - —
tanks, divd.....gal. .586 - —
light grade (200°-246°), tanks, Cal. ref..gal. .690 - —
medium grade (220°-246°), dms., 20, Cal. ref..gal. .50 - —
Sewaren, N. J., ref.. gal. .636 - —
1-19, Cal. ref.....gal. .570 - —
Sewaren, N. J., ref.. gal. .696 - —
tanks, divd.....gal. .646 - —

Crotonic, bbls., Canadian, wks. lb. .25 - —

Dichlorophenoxyacetic, fib. dms., c.l., works..lb. .80 - —
l.c.l., works.....lb. .85 - .95

Diethylbarbituric (see Barbital).

F (see Acid, monosulphonic).

Formic, 85%, cbys., c.l., wks.lb. .10 - —
l.c.l., works .....lb. .10½ - .11
90%, cbys., c.l., works....lb. .10½ - —
l.c.l., works .....lb. .11 - .11½

Fumaric, tech., bbls., dms..lb. .27 - .31

Gallic, NF V, bbls.....lb. 1.27 - 1.30
fib. dms. .....lb. 1.32 - —
technical, bbls. .....lb. 1.10 - 1.15

Gamma, bbls. .....lb. .85 - —

Gluconic, tech., 50%, bbls....lb. .12 - —
dmjn. .....lb. .21 - .26
kgs. .....lb. .14 - .15

Glutamic hydrochloride, dms., lb. 2.00 - 2.40

Glycolic (see Acid, hydroxyacetic).

H, bbls. .....lb. .43½ - .45

Hydriodic, 45-47%, cbys.....lb. 2.42 - 2.44
5-lb. bots. .....lb. 2.57 - —
57%, bots. .....lb. 2.90 - —

Hydrobromic, medicinal, 48%, cbys., divd. E...lb. .48 - —
tech., 49%, cbys., same basis, lb. .45 - —
34% cbys., same basis.....lb. .35 - .37

Hydrochloric (see Acid, Muriatic).

Hydrocyanic, cyls., works...lb. .90 - 1.00
NF, dilute, 2%, 5-lb. bots..lb. .80 - .84

Hydrofluoric, anhyd., cyls., wks. lb. .19 - .19¼
tanks, works .....lb. .16 - —
30%, rubber dms., works..lb. .08 - .09
48%, rubber dms., works..lb. .12 - —
52%, rubber dms., works..lb. .12½ - —
60% rubber dms., works..lb. .13½ - —

Hydrofluosilicic, 30-35%, bbls.lb. .08 - .09

Hydroxyacetic, 70% tech., bbls., non-return, Phila..lb. .084 - —
tanks, Belle, W. Va., acid basis..lb. .06½ - —

Hypophosphorous, USP, djns., lb. .75 - .77

Lactic, edible, 50%, cbys, 20 or more..lb. .12½ - —
smaller lots .....lb. .13 - .13½
80%, bbls., 5 or less.....lb. .24¼ - .24¾

plastic grade, 50%, bbls., cbys., 20 or more..lb. .14¼ - —
10 or less.....lb. .14¾ - .15¼
80%, bbls., cbys., 5 or less, lb. .26 - .26¼

tech., dark, 22%, bbls., c.l., works..100 lbs. 2.90 - —
l.c.l., works....100 lbs. 3.15 - —
cbys., works.....100 lbs. 4.15 - —
44%, bbls., c.l., works.... 100 lbs. 6.30 - —
l.c.l., bbls., works.... 100 lbs. 6.55 - —
cbys., works ....100 lbs. 7.55 - —
light, 22%, bbls., c.l., works, 100 lbs. 2.90 - —
l.c.l., works....100 lbs. 4.15 - —
cbys., works.....100 lbs. 5.15 - —
44%, bbls., c.l., works.... 100 lbs. 7.30 - —
l.c.l., works....100 lbs. 7.55 - —
cbys., works.....100 lbs. 8.55 - —

USP XII, 85%, cbys..... lb. .84 - .87

USP VIII, 75%, cbys.....lb. .82 - .85

Acids, Laurent's, bbls.....lb. .45 - —
Lauric, dist., 95%, dms.....lb. .28 - —
Linseed oil,[1,7] light, dms...lb. 21½ - .22
Maleic, powd., dms.....lb. .30 - —
Anhydride (see M).
Malic, powd., kgs.....lb. .47 - —
Mandelic, USP, dms., 1,000 lb. lots..lb. 2.05 - —
smaller lots.....lb. 2.10 - 2.30
Mixed, tanks, nitric unit.....lb. .05 - .06
sulphuric unit.....lb. .0095- .009
Molybdic,[1] kgs., works.....lb. .95 - 1.10
Monochloracetic, tech., flakes, 96-97%, dms..lb. .16½ - —
purified, flake, 99%, dms...lb. .20 - —
Monosulphonic, bbls.....lb. 1.50 - —
Muriatic, 18°, cbys., c.l., E. works..100 lbs. 1.50 - —
l.c.l., E. works....100 lbs. 1.75 - 2.45
tanks, works.....100 lbs. 1.05 - —
20°, cbys., c.l., E. works.... 100 lbs. 1.75 - —
tanks, E. works.....ton.22.00 - —
22°, cbys., c.l., E. works.... 100 lbs. 2.25 - —
tanks, E. works.....ton.32.00 - —
CP, USP, consumers, cbys. extra..lb. .06 - —
6-lb. bots., extra.....lb. .10 - —
dealers, cbys. extra....lb. .06½ - —
6-lb. bots., extra.....lb. .08½ - —
Myristic, dist., dms.....lb. No stocks
Naphthenic, 210-220 acidity, dms. extra, works..lb. .10¾ - —
tanks, works.....lb. .09 - —
230-245 acidity, dms., extra, works..lb. .12¾ - —
tanks, works.....lb. .12 - —
Nicotinic, USP, dms., works... kilo. 6.00 - 6.30
Nicotinic amide (see Nicotinamide).
Nitric, 36°, cbys., c.l., E. works..100 lbs. 5.00 - —
l.c.l., 23, E. works.100 lbs. 5.25 - —
10 to 24, works..100 lbs. 5.35 - —
1 to 9, works....100 lbs. 5.95 - —
38°, cbys., c.l., E. works.... 100 lbs. 5.50 - —
Western works...100 lbs. 5.75 - —
40°, cbys., c.l., E. works.... 100 lbs. 6.00 - —
42°, cbys., c.l., E. works.... 100 lbs. 6.50 - —
CP, USP, consumers, cbys. extra..lb. .13 - —
7-lb. bots., cs., extra..lb. .15 - —
dealers, cbys. extra....lb. .11½ - —
7-lb. bots., cs., extra...lb. .13½ - —
Oleic (see Oil, red).
Oleum (see Acid, sulphuric, fuming).
Oxalic,[1] bbls., c.l., works....lb. .11¼ - —
10,000 lbs. .....lb. .11¼ - —
smaller lots.....lb. .12½ - —
Palm oil,[8] white, dist., dms.lb. No stocks
Para-aminobenzoic, cns.....lb. 1.40 - —
Paranitrobenzoic, cns.....lb. .72 - —
Paratoluidinmetasulphonic, bbls., works..lb. .80 - —
Peanut oil,[1] a.d., tanks, works. lb. .11¼ - —
Phenylacetic, bots.....lb. 1.65 - 1.85
Phosphoric, food grade, 50%, bbls., c.l., works, frt. equald..100 lbs. 4.00 - 4.25
cbys., c.l., works, frt. equald..100 lbs. 4.35 - 4.60
l.c.l., works, frt. alld.. 100 lbs. 5.25 - 7.25
tankwagon, divd. N. Y., Phila. Met. area..100 lbs. 4.00 - —
75%, bbls., c.l., works, frt. equald..100 lbs. 4.75 - 5.00
cbys., c.l., works, frt. equald..100 lbs. 5.10 - 5.35
l.c.l., frt. alld....100 lbs. 7.00 - 9.50
tanks, works, frt. equald., 100 lbs. 4.00 - 4.25
tankwagon, divd. N. Y., Phila. Met. area..100 lbs. 4.75 - —
USP, 100-lb. cbys., c.l.....lb. .10½ - —
10 cbys. to c.l.....lb. .11¼ - —
2 to 9 cbys.....lb. .12 - —
single cbys.....lb. .13 - —
70-lb. cbys.....lb. .10½ - —
25 cbys. to c.l.....lb. .11¼ - —
5 to 24 cbys.....lb. .12 - —
1 to 4 cbys.....lb. .13 - —
dilut., 10%, cbys., djns...lb. .07 - .07½
Picramic, kgs.....lb. .65 - .70
Picric, bbls.....lb. .35 - —
Propionic,[1] synth., pure, dms., works..lb. .19½ - —
tanks, works.....lb. .16½ - —
Pyrogallic, tech., bbls.....lb. 1.45 - 2.02
USP, cryst., dms.....lb. 2.10 - 2.15
resub., dms.....lb. 2.60 - 2.65
Pyroligneous, dms., divd. E.. gal. .30 - —
Ricinoleic, com'l split (see Acid, castor oil, split).
Salicylic,[1] tech., bbls., c.l...lb. .36 - —
100 lbs. to c.l.....lb. .33 - —
smaller lots.....lb. .34 - .43
USP, bbls., c.l.....lb. .36 - —
100 lbs. to c.l.....lb. .35 - —
smaller lots.....lb. .36 - .44
Sebacic, tech., dms., c.l., works. lb. .50 - —
l.c.l., works.....lb. .51 - .52
Soybean oil,[1] a.d., dms., works. lb. .11¾ - .16¼
tanks, works.....lb. .11 - .15¾
Stearic,[1] double pressed, bgs., c.l., divd. E. Rockies..lb. .19¾ Nom.
W. of Rockies.....lb. .20¾ Nom.
Texas and Okla., divd., lb. .19¾ Nom.
single pressed, bgs., c.l., divd. E. or Rockies..lb. .18¾ Nom.
W. of Rockies.....lb. .19¾ Nom.
Texas and Okla., divd., lb. .19¾ Nom.
triple pressed, bgs., c.l., divd. E. of Rockies..lb. .22¼ Nom.
W. of Rockies.....lb. .23¼ Nom.
Texas and Okla., divd., lb. .22¾ Nom.

Stearic acid l.c.l. prices are:—Ton lots, ½c. per lb. higher; less than ton lots, 1c. higher.

Succinic, bbls.....lb. .75 - —
Sulphanilic, CP, bots., works.lb. 1.90 - 1.95
tech., dms., works.....lb. .17 - —
Sulphuric, 60°, cbys., c.l., E. works..100 lbs. 1.35 - —
l.c.l. .....100 lbs. 1.50 - 2.20
tanks, E. works.....ton.13.00 - —
66°, cbys., c.l., E. works.... 100 lbs. 1.90 - —
tanks, E. works.....ton.16.50 - —
98°, tanks, works.....ton.17.50 - —

Acid, sulphuric, CP, USP, consumers cbys., extra..lb. .06 - —
9-lb. bots., cs. extra..lb. .10 - —
dealers, cbys. extra....lb. .06½ - —
9-lb. bots., cs. extra..lb. .08½ - —
fuming, 20%, tanks, E. works. ton.19.50 - —
Tannic, tech., bbls., dms....lb. .71 - .72
USP, fluffy, bbls., 1,000 lbs.. lb. 1.23 - —
smaller lots.....lb. 1.35 - 1.38
powder, bbls., 1,000 lbs..lb. 1.13 - —
smaller lots.....lb. 1.15 - —
Tartaric,[1] USP, cryst., gran., powd., bbls., 10,000 lbs., 1 ship't..lb. .62½ - —
smaller lots.....lb. .63 - —
kgs. .....lb. .63½ - —
Thioglycolic, bbls., cbys., basis 100%..lb. 3.00 - 3.50
Tobias, bbls.....lb. .55 - .60
Trichloracetic, bots.....lb. 2.00 - 2.50
Tungstic,[1] CP, 100-lb. pkgs..lb. 2.94 - 3.10
pure, 100-lb. kgs.....lb. 2.86 - —
Aconite leaves, bls.....lb. 1.10 - 1.40
Root, bls.....lb. 1.20 - 1.25
Aconitine, amorph., bots.....oz. 23.00 -28.00
15-gr. vials.....vial. 1.00 - —
cryst., bots.....oz. 42.00 -48.00
15-gr. vials.....vial. 1.60 - —
Acrylonitrile, dms., c.l., works. lb. .26 - —
l.c.l., works.....lb. .25½ - —
tanks, works.....lb. .25 - —
Adeps lanae,[1] USP, anhyd., cosmetic, dms., works..lb. .30 - .33
pharmaceutical, dms., works. lb. .28 - .29
Agar .....lb. 3.50 - —
San Diego, Cal.....lb. 3.00 - —
Agaric, white, bls.....lb. 2.85 - 2.90
Albumen, blood, dark (see Blood, soluble).
light, dms., Chicago.....lb. .65 - .70
egg, edible,[1,7] powd., bbls....lb. 1.99 - 2.07
granular, cryst., bbls.....lb. 1.94 - 2.02
tech., cryst., bbls.....lb. 1.00 - 1.50
Alcohol, allyl, dms., c.l., divd.lb. .21 - —
l.c.l., divd.....lb. .21½ - —
tankcars, divd. .....lb. .20 - —
Amyl ex pentane, dms., c.l., frt. alld. E. of Miss. R. lb. .141 - —
l.c.l., frt. alld.....lb. .151 - —
tanks, frt. alld.....lb. .131 - —
(see also Fusel oil, ref.).
Benzyl, cns.....lb. .90 - —
dms. .....lb. .85 - —
Butyl, normal,[1] fermen., lit. Ind. prod., dms., c.l., frt. alld..lb. .3190 - —
l.c.l., frt. alld. E....lb. .2240 - —
tanks, frt. alld. E....lb. .2000 - —
tankwagons, frt. alld.lb. .2140 - —
other production, dms., c.l., frt. alld. E..lb. .1930 - —
l.c.l., frt. alld. E....lb. .2000 - —
tanks, frt. alld. E....lb. .1850 - —
synthetic, dms., c.l., frt. alld. E..lb. .11¾ - —
l.c.l., frt. alld. E....lb. .12¼ - —
tanks, frt. alld. E....lb. .10¾ - —
Normal butyl alcohol prices in West, ½c. per lb. higher.
secondary, dms., c.l., divd..lb. .09½ - —
l.c.l., divd. .....lb. .10 - —
tanks, divd. .....lb. .08½ - —
tertiary, denat., dms., c.l..lb. .12½ - —
l.c.l., dms. .....lb. .13 - —
tanks .....lb. .11 - —
Capryl, dms., c.l., works..lb. .17½ - —
l.c.l., works .....lb. .18½ - —
tanks, works .....lb. .16 - —
Cetyl, dom., CP., fiber ctns., 1,000 lbs. 1.75 - 1.80
smaller lots .....lb. 1.95 - 2.30
Cinnamic, bots.....lb. 3.00 - 3.50
Denatured,[1,7] CD14, dms., c.l., works, E..gal. .613 - —
l.c.l., works, E.....gal. .636 - .658
tanks, E. works.....gal. .542 - —
Tankcar sales require written authorization by Alcohol Tax Unit.
SD1, 190 pf., dms., c.l., E. works..gal. .612 - —
l.c.l., works, E.....gal. .632 - .653
tanks, E. works.....gal. .542 - —
Anhydrous 5c. per gal. higher.
SD2B dms., c.l., wks., E.gal. .60¼ - —
l.c.l., works, E.....gal. .63½ - .65½
tanks, E. works.....gal. .53¼ - —
SD23G, dms., c.l., works.gal. .652 - —
l.c.l., works .....gal. .672 - —
tanks, works .....gal. .582 - —
SD23H, dms., c.l., works..gal. .61 - —
l.c.l., works, E.....gal. .63 - .66¼
tanks, E. works.....gal. .54 - —
SD29, lenatured, with acetaldehyde, dms., c.l., E. works, gal. .62 - —
l.c.l., works, E.....gal. .66½ - .68½
tanks, E. works.....gal. .55 - —

When any of the several SD29 denaturants is supplied by the purchaser, the prices are the same as those for SD21 plus 1½c. per gal. denaturing charge.

Special solvent, dms., c.l., works, E..gal. .62 - —
l.c.l., works, E.....gal. .65 - .68
tanks, E. works.....gal. .56 - —

Tankcar sales require written authorization by Alcohol Tax Unit.

Diacetone, acetone-free, dms., c.l., divd..lb. .11½ - .14½
l.c.l., divd.....lb. .12 - .15
tanks, divd.....lb. .10½ - .13½
tech., dms., c.l., divd.....lb. .11 - .13½
l.c.l., divd.....lb. .11½ - .14
tanks, divd.....lb. .10 - .12½

Controls on Materials

Applications of CPA, OPA and WFA regulations to materials listed in this section are indicated by superior figures as follows:—

[1]—Specific price ceiling

[2]—Price agreement (sellers with OPA)

(Designations [1] and [2] will be retained pending final determination of the status of OPA.)

[3]—General Limitation Order

[4]—General Preference Order

[5]—Conservation Order

[6]—Allocation

[7]—War Food Order

Alcohol, ethyl, 190 pf., dms., c.l. works..gal.17.72½- —
l.c.l., works.....gal.17.76 -17.79
tanks .....gal.17.65½- —
absolute, dms., c.l., works.gal.18.67½-
l.c.l., works.....gal.18.71 -18.74
tanks .....gal.18.60½- —
Ethylhexyl, dms., c.l., works..lb. .24 - —
l.c.l., works.....lb. .25 - —
tanks, works.....lb. .23 - —
Furfuryl, tech., cns., works..lb. .35 - —
dms., c.l., works.....lb. .22½- —
l.c.l., works.....lb. .25 - —
tanks, works.....lb. .19 - —
Isoamyl (see Carbinol, isobutyl).
Isobutyl, refd., dms., works..lb. .0660- —
tanks, works.....lb. .0760- —
Isopropyl, refd., 91%, dms., incl., c.l., divd..gal. .38 - —
l.c.l., divd.....gal. .41 - —
tanks, divd.....gal. .31½- —
99%, dms., incl., c.l., divd.. gal. .41½- —
l.c.l., divd.....gal. .44½- —
tanks, divd.....gal. .35 - —
Methyl (see Methanol).
Methylamyl (see Carbinol methylisobutyl).
Octyl (see Alcohol, ethylhexyl).
Phenylethyl, dms.....lb. 2.30 - 2.75
Polyvinyl, type A, fiber-pack, Niagara Falls..lb. .55 - .70
type B, fiber-pack, same basis. lb. .60 - .68
Propyl, normal, dms., works.gal. .67 - —
smaller containers, works, gal. .82 - —
tanks, works.....gal. .60 - —
Tetrahydrofurfuryl, cns., Cedar Rapids, Ia..lb. .55 - —
dms., c.l., Waverly, N. Y..lb. .40 - —
l.c.l., same basis.....lb. .50 - —
Aldol, dms, works.....lb. .13 - .15
denaturing grade, dms.....gal. 1.30 - —
Aletris root, bgs.....lb. 2.25 - 2.50
Algarobilla,[1] c.l., ex dock.... long ton.80.00 -83.30
Algarobilla price based on ocean frt. at $12 and $1 insurance per long ton.
Algin, bbls., fib. dms.....lb. .76 - 1.00
Alizarin (see Red, alizarin).
Alkanet, root, bgs.....lb. .85 - .90
Allspice,[1] Mexican, futures, bgs. lb. .26 - .26½
Allyl bromide, cuys., 5,000 lbs., works..¢lb. .80 - —
smaller lots, works.....lb. 1.05 - 1.10
Chloride, dms., c.l., divd....lb. .15½- —
l.c.l., divd.....lb. .14 - —
tanks, divd.....lb. .12½- —
Aloe, Cape, cs.....lb. .42 - .43
Curacao, kgs.....lb. .47 - .48
Socotrine, kgs.....lb. .47 - .49
Aloin, bbls., dms., kgs.....lb. 4.50 - 4.60
Alphanaphthol, bbls.....lb. .52 - —
Alphanaphthylamine, bbls.....lb. .32 - —
Alphanaphthylthiourea, fib. dms., works, frt. alld..lb. 4.00 - 4.40
Alphapicoline, ret. dms., works, frt. equald..lb. .23½- .23¾
Alphapinene, from gum turpentine, dms., c.l., wks..gal. 1.02½- —
l.c.l., works.....gal. 1.04½- —
tanks, works.....gal. .90½- —
from steam-distilled wood turpentine, tanks, works..gal. .71¾- —
Alphaterpineol, dms., c.l., works. lb. .1340- —
l.c.l., works.....lb. .1390- —
tanks, works.....lb. .1300- —
Alphacocopherol, amp.....gram. 1.00 - 1.10
Althea root, NF, peeled, bls...lb. .55 - .60
Alum, ammonia, burnt, USP, bbls., kgs..lb. .16 - .19
gran., bbls., works....100 lbs. 4.00 - —
divd., N. Y., Phil..100 lbs. 4.00 - —
lump, bbls., works....100 lbs. 4.25 - —
divd., N. Y., Phil..100 lbs. 4.25 - —
powd., bbls., works....100 lbs. 4.40 - —
divd., N. Y., Phil..100 lbs. 4.40 - —
Potash, gran., bbls., works. 100 lbs. 4.25 - —
divd., N. Y., Phil..100 lbs. 4.25 - —
lump, bbls., works....100 lbs. 4.50 - —
divd., N. Y., Phil..100 lbs. 4.50 - —
powd., bbls., works....100 lbs. 4.65 - —
divd., N. Y., Phil..100 lbs. 4.65 - —
Potash-chrome, bbls.....lb. .12½- .15
Soda, bbls., c.l., works..100 lbs. 3.25 - —
l.c.l., divd.....100 lbs. 4.25 - 5.00
Alumina, classified, grade, ground, kgs., works..lb. .35 - .67
top grade, ground, kgs., works. lb. .60 - .67
unclassified, ground, kgs., works..lb. .10½- .40
Acetate, basic solution, 24%, bbls., divd..lb. 10½- .11
20%, bbls., divd.....lb. .09½- .10
Chloride, anhyd., com'l, dms., c.l., works..lb. .08 - .11
l.c.l., works.....lb. .09 - .12
cryst., com'l, dms., c.l., works. lb. .06 - —
l.c., works.....lb. .06½- .06¾
solution, 32 deg., cryst., c.l., works..lb. .02¾- —
l.c.l., works.....lb. .03¼- —
Fluoride, tech., bbls.....lb. .25 - —
Formate, solution, 12-20° Be, bbls., c.l., works, f.o.b. equaled Phila. and Chi..lb. .09½- —
l.c.l., works, same basis. lb. .10 - —
Hydrate, heavy bgs., c.l., works. lb. .024 - .061
l.c.l., works.....lb. .035 - .040
light, bgs., divd.....lb. .14½- —
bbls., divd.....lb. .15 - —
Hydroxide, gel, tech., min. 15% Al (OH)₃, dms., 10,000 lbs. or more, f.o.b. ship't point..lb. .08 - .08¼
ton lots, same basis..lb. .08¼- .08½
smaller lots, same basis. lb. .08¾- .04
9-9½% Al_2O_3, fib. dms., works,..lb. .17¾- —
contract, works.....lb. 16¾- —
14-15% Al_2O_3, fib. dms., works..lb. .20¾- —
contract, works.....lb. 19¾- —
dried, USP XII, fib. dms., works..lb. .78 - —
contract, works.....lb .75 - —
powder, tech. (see Alumina hydrate).
USP IX, bbls., dms.....lb. .15 - .17
Laurate, precip., bbls.....lb. .25 - .30
Naphthenate, 1.7% Al, 50-gal. dms., works..lb. .18¾- —
Oleate, dms., contract.....lb. .24½- —
Resinate, precip., dms.....lb. 19¼- —
Stearate, precip., ctn., c.l....lb. .27½- —
l.c.l. .....lb. .28 - .29
Sulphate, com'l, bgs., c.l., works, frt. equald..100 lbs. 1.15 - 1.20
l.c.l., works, frt. equaid... 100 lbs. 1.40 - 1.50
bbls., c.l., works, frt. equald. 100 lbs. 1.35 - 1.40
l.c.l., works, frt. equald. 100 lbs. 1.60 - 1.70
iron-free, bgs., c.l., works, 100 lbs. 1.75 - —
l.c.l., works.....100 lbs. 2.00 - —
Trihydrate, heavy (see Alumina hydrate).
Aluminum, 98-99%, c.l.....lb. .15 - —
l.c.l. .....lb. .15 - .16
paste, lining, extra fine, 200-lb. dms..lb. .58 - .60
ink., 150-lb. dms. .....lb. .71 - —
standard, 200-lb. dms. ....lb. .38 - —

Aluminum powder, lining, extra, fine, 150-lb. dms..lb. .36 - —
litho, 150-lb. dms.....lb. .30 - —
standard, 200-lb. dms..lb. .32 - —
rubber comp., 200-lb. dms..lb. .43 - —
unpolished, stand., dms...lb. .35 - —
varnish, stand., 300-lb. dms., lb. .43 - —

Aluminum powder and paste prices are f.o.b. shipping point. Add 1c. per lb. for 100-lb. dm., 1½c. per lb. for 50-lb. dm., per lb. for 10-lb. can, and 5c. to 12c. per lb. for smaller containers. Deduct 1c. per lb. for single shipment of 400 to 1,499 lbs., 2c. for 1,500 to 4,999 lbs., 3c. for 5,000 to 20,000 lbs., and 4c. for 30,000 lbs. or more. Where destination is within the continental U. S., a deduction equivalent to the lowest available common carrier, transportation rate will be made from sellers' invoice on orders of 200 lbs. or over.

Ambergris, gray, tins.....oz. 8.75 -12.00
Aminoethylpropanol, cns., dms., works..lb. .50 - .60
Aminopyrine, bots., dms.....lb. 4.00 - 4.40
Ammonia acetate, reagent, crystals, bbls..lb. .34 - —
purified, bbls.....lb. .23 - —
Anhydrous, fertilizer, tankcars, works, frt. equald..ton.59.00 - —
pure, cyls.....lb. .14½- —
refrigeration, tanks, works... ton.61.50 - —
Aqua, 26°, cbys.....lb. .05½- —
dms., c.l.....lb. .02½- —
l.c.l. .....lb. .03½- —
tanks, works (NH_3 content). ton.65.00 - —
Benzoate, USP, dms., kgs., 4,000 lbs., up, frt. alld..lb. .43 - —
smaller lots, frt. alld..lb. .44 - .47
Biborate, gran., bbls., N. Y. or Chi..lb. .1515- —
Bicarbonate, dms., c.l.....lb. .0504- —
Bichromate, bbls.....lb. .23 - .25
Bifluoride, bbls.....lb. .15 - .15½
Borate, gran., bbls., kgs.....lb. .1060- —
powd., bbls., kgs.....lb. .1130- —
Bromide, gran., NF, bbls....lb. .28 - —
dms. .....lb. .29 - —
Powdered ammonia bromide 10c. per lb. higher.
Carbonate, USP, lump, dms..lb. .05¾- .09¼
ens. .....lb. .14¾- .17½
powdered, 1c. per lb. higher.
Chloride, tech. (see Ammoniac, sal).
USP, gran., bbls., dms., kgs.. lb. .13 - .15
Citrate, dibasic, bbls.....lb. .75 - —
dms. .....lb. .50 - .85
Fluoride,[6] bbls.....lb. No stocks
Hydroxide (see Ammonia, aqua).
Hypophosphite, NF, dms....lb. 1.25 - 1.27
jars .....lb. 1.30 - 1.35
Iodide, NF, bots.....lb. 3.71 - —
jars .....lb. 3.65 - —
Linoleate, 80%, anhyd., bbls.lb. .12 - —
Molybdate,[6] c.p. cryst., kgs.lb. 1.26 - 1.35
fine cryst., bbls., kgs....lb. .84 - .87
purified, dms.....lb. 1.10 - 1.13
Nitrate,[1] fertilizer grade, Canadian, 32.5% nitrogen, bgs., same N unit price, delivered, as Ammonia sulphate, bgs., c.l., shipping point...ton.52.00 - —
bulk, same basis.....ton.46.00 - —
tech., bgs., works.....100 lbs.4.35 - 4.50
bbls., works.....100 lbs. 4.55 - —
Nitrate - limestone, 20.5% N. bgs., Hopewell, Va..ton.32.50 - —
Oleate, dms.....lb. .14 - —
Oxalate, fine gran., bbls....lb. .23 - —
dms. .....lb. .25 - .29
Perchlorate, kgs.....lb. No stocks
Persulphate, kgs.....lb. .25½- .28½
Phosphate, dibasic, NF V, bbls. kgs..lb. .27 - .29
tech., bgs., c.l., works..lb. .07 - —
l.c.l., works.....lb. .07¾- —
monobasic, pure, bbls.....lb. .39 - .41
tech., bgs., c.l., works...lb. .07 - —
l.c.l., works.....lb. .07¾- .08¼
Salicylate, NF, dms., kgs....lb. 1.15 - 1.16
Silicofluoride, bbls.....lb. .15 - .18
Stearate, anhydrous, dms....lb. .34 - —
paste, dms. .....lb. .06½- —
Sulphamate, bbls., works....lb. .18 - .21
Sulphate,[1] bulk, inland producing ovens..ton.28.20 - —
Atlantic coast ports....ton.29.20 - —
Sulphide, liquid, 40-45% basis 100%, dms., c.l., works..lb. .09 - —
l.c.l., divd.....lb. .18 - —
tanks, divd.....lb. .07½- —
red, 49%, cbys., works.....lb. .08 - —
dms., works.....lb. .09 - —
yellow, 23%, cbys., works..lb. .06 - —
dms., works.....lb. .09 - —
Sulphocyanide, CP, bbls.....lb. .75 - —
jars .....lb. .97 - —
tech., bbls.....lb. .17 - .19
Thiocyanate (see Ammonia sulphocyanide).
Thioglycollate, highly purified, 100% basis, bbls..lb. 7.10 - 8.25
Ammoniac gum (see Gum, ammoniac)
Sal, gray, bbls., c.l., works.... 100 lbs. 5.50 - 5.75
l.c.l., works.....100 lbs. 6.00 - 6.70
white, gran., bbls., c.l., works. 100 lbs. 4.45 - —
l.c.l., same basis.100 lbs. 5.15 - —
Amyl acetate, ex fusel oil, tech., dms., c.l., divd..lb. .17 - —
l.c.l., divd.....lb. .17½- —
tanks, divd.....lb. .16 - —
ex-pentane, dms., c.l., frt. alld. E. of Miss. R..lb. .15½- —
l.c.l., same basis.....lb. .16½- —
tanks, same basis.....lb. .14½- —
Amyl alcohol (see Alcohol, amyl).
Butyrate, dms.....lb. .90 - 1.00
Chloride, mixed, tech., dms., c.l., works..lb. .07 - —
l.c.l., works.....lb. .08 - —
tanks, works.....lb. .06 - —
Ether, dms., c.l., works.....lb. .095 - —
l.c.l., works.....lb. .102 - —
tanks, works.....lb. .085 - —
Nitrite, USP, bots.....lb. 1.72 - 1.85
Mercaptan, dms., works.....lb. 1.10 - —
Salicylate, bots.....lb. .68 - .85
Stearate, dms., works.....lb. .42 - —
Anethol, com'l, dms., works..lb. .657 - .662
NF, dms. .....lb. 2.20 - 2.60
Angelica dom. atropurpurea root, bls..lb. 1.30 - 1.40
imported, natural, bls.....lb. 2.50 - 2.60
Angostura bark, bls, futures...lb. .33 - .36
Anilin oil, dms., c.l., works, frt. alld..lb. .12 - —
l.c.l., works, frt. alld.....lb. .13 - —
tanks, works, frt. alld.....lb. .11 - —
Salt, dms., works.....lb. .22 - .24
Anise, Bulgarian, bgs.....lb. No stocks
Chinese, star .....lb. .26½- .27
Cyprus, bgs.....lb. No stocks
Mexican, bgs., futures.....lb. .48 - .49
Syrian, bgs. .....lb. .52 - .53
Turkish, bgs.....lb. No stocks
Anisic aldehyde, dms.....lb. 2.75 - —
ens., bots. .....lb. 2.90 - 3.35
Annatto, paste, bxs.....lb. .64 - .69
Seed, bgs.....lb. .13½- .13¾
Anthracene, 80-85%, bbls., works. lb. .55 - —
80%, bbls., works.....lb. .65 - —
Anthraquinone, 99.5%, bbls....lb. .70 - —

Antimony butter (see Antimony chloride).
Chloride, solut., cbys.....lb. .17 - —
Metal,[1,6] bulk, c.l., works...lb. .14½- .17½
Antimony, needle,[1,6] Bolivian, brown, 67%, cs...lb. .16½ Nom.
Chinese, black, 70%, cs....lb. .20 - .22
Oxide,[1,6] ceramic grade, bgs., c.l...lb. .17 - —
l.c.l. .....lb. .17½- —
paint grade, bgs., c.l.....lb. .17 - —
l.c.l. .....lb. .17½- —
Salt,[1,6] 65%, bgs., c.l., divd. E. of Miss River..lb. No stocks
Sulphide,[1,6] 65-70%, bbls., c.l., works..lb. .17 - —
l.c.l., works.....lb. .17½- —
Antipyrine, bbls., kgs., ton....lb. 2.00 - —
smaller lots.....lb. 2.10 - 2.20
Apomorphine, bots.....oz.23.20 -23.70
Archil extract, bbls.....lb. No stocks
Areca nuts, powd., bbls.....lb. .15½- .16
Arecoline hydrobromide, bots..oz. 6.10 - 7.10
Argols,[7] min. 70%, bgs., shipment port, 100 kilos (100% purity)..35.00 -36.00
Arnica flowers, bbls.....lb. 3.25 Nom.
Arrowroot, powd., bgs., bbls..lb. .10½ Nom.
Arsenic, chloride (arsenous), bots. lb. 1.55 - —
Metal, lump, c.l.....lb. No prices
Sulphide, yellow, bbls.....lb. No stocks
Trioxide (see Acid, arsenous, and Arsenic, white).
White, powd., kgs., c.l.....lb. .04 - —
t.c.l. .....lb. .04¾- —
Asafetida, cs. .....lb. .85 - .88
powd., bbls., dms.....lb. .94 - .95
Asbestine (see Talc, N. Y., fibrous).
Asbestos, fiber[1] 5D and 5K bgs., c.l. (20 tons), Cana. mines, ton.49.50 - —
5R, bgs., c.l. (20 tons), same basis..ton.44.00 - —
6D, bgs., c.l. (30 tons), same basis..ton.32.00 - —
Asbestos, 7D, bgs., c.l., same basis..ton.28.50 - —
7F, bgs., c.l., same basis.ton.26.50 - —
7H, bgs., c.l., same basis.ton.22.50 - —
7K, bgs., c.l., same basis.ton.19.00 - —
7M, bgs., c.l., same basis.ton.16.50 - —
7R, bgs., c.l., same basis.ton.15.50 - —
Asphaltum, Barbados, Dunellan, N. J..lb. .10½- —
California, dms., c.l.....ton.36.40 - —
l.c.l. .....ton.41.40 - —
Cuba, A, bulk, c.l.....ton.60.00 - —
l.c.l. .....ton.90.00 - —
B, bulk, c.l.....ton.38.50 - —
l.c.l. .....ton.56.00 - —
Egyptian .....ton. No stocks
Gilsonite,[1] brilliant black, selects, 340° F. fusing point, bgs., mineston.30.00 -32.00
270-295° fusing point, bgs., mines..ton.30.50 - —
seconds, 300°-390° F. fusing point, not uniform, bgs., mines..ton.25.50 - —
jet, bgs., ton lots, gross weight, Colo. mines..ton.30.50 - —
Manjak, No. 10, crude, dms., works..lb. .05½- .12
process form, bgs., works..lb. .05¾- .12
jet, bgs., 2,000 lbs., gross weight, Colo. mines..ton.30.50 - —
Mexican, refd., dms., f.o.b. Tampico, Mex. metric ton.27.50 - —
South American, refd., dms., c.l., N. J. refy..ton.22.00 -23.00
l.c.l., same basis.....ton.24.00 -25.00
tanks, same basis.....ton.15.00 - —
Atropine, bots.....oz. 9.85 - —
Sulphate, bots .....oz. 7.35 - —

B

Balm of Gilead buds, bgs.....lb. 2.25 - 2.50
Barbasco root,[1] (see Cube root).
Barberry root bark, bgs.....lb. .78 - .80
Barbital, dms. .....lb. 3.50 - 3.60
Sodium, dms. .....lb. 3.75 - 3.85
Barium carbonate, natural, 80% through 200 mesh, bgs., c.l., works..ton.43.00 - —
precip., bgs., c.l., works..ton.60.00 -70.00
l.c.l., works.....ton.65.00 -75.00
bbls., c.l., works.....ton.65.00 -75.00
l.c.l., works.....ton.70.00 -80.00
Chlorate, kgs., works.....lb. .27½- .31
Chloride, CP, cryst., bbls....lb. .25 - .27
pure, bbls., kgs.....lb. .10 - .12
tech., cryst., bgs., c.l., works. ton.73.00 - —
l.c.l., works.....ton.78.00 - —
bbls., c.l., works.....ton.75.00 - —
l.c.l., works.....ton.80.00 - —
Dioxide, dms., c.l., works....lb. .10 - —
l.c.l., works.....lb. .12 - .13
Fluoride, bbls.....lb. .18 Nom.
Hydrate, crystals, bbls.....lb. .06½- .07⅛
Hydroxide, bbls., works.....lb. .15 - .16
Iodide, bots.....lb. 4.62 - 4.82
Monoxide (see Oxide).
Nitrate, bbls., c.l., works...lb. .09½- .11½
l.c.l., works.....lb. .10 - .11¼
Oxide, dms., c.l., works.....lb. .11½- .12
l.c.l., works.....lb. .14 - .15
grd., dms., l.c.l., works....lb. .15 - .17
Peroxide (see Dioxide).
Silicofluoride, bbls.....lb. .17 - .19
Stearate, ctns., 1 ton up.....lb. .34½- —
smaller lots.....lb. .35½- —
Sulphate, tech. (see Barytes, and Blanc fixe).
X-ray, bbls.....lb. .09½- .10
kgs. .....lb. .12 - —
Barytes,[1] floated, bbls., c.l., St. Louis..ton.27.65 - —
l.c.l., same basis.....ton.28.65 - —
ex whse., N. Y.....ton.36.00 - —
paper bags, c.l., St. Louis.ton.25.35 - —
l.c.l., same basis.....ton.26.35 - —
ex whse., N. Y.....ton.34.00 - —
Southern, off-color, bgs., mines. ton.17.50 - —
95.75, bgs., mines.....ton.18.00 - —
Ore, approx. 34X $BaSo_4$, bulk, mines..ton. 6.50 - —
Bauxite bulk, mines.....ton. 7.00 -10.00
Bay leaves (see Laurel leaves).
Barberry bark, bgs.....lb. .12 - .13
Belladonna leaves, bls.....lb. 1.25 - 1.30
Root, bls.....lb. 1.35 - 1.40
Bentonite, 200 mesh, bgs., works. ton.11.00 - —
325 mesh, bgs., works....ton.16.00 - —
Benzaldehyde, NF, dms.....lb. .70 - 1.10
tech., cbys., dms.....lb. .45 - .55
Benzene (see Benzol).
Benzidin base, bbls.....lb. .70 - —
Benzocaine, cns.....lb. 3.20 - 3.75
Benzol (benzene), pure, nitration and 90%, dms., works, gal. .20 - —
tanks, E. of Omaha, frt. alld..gal. .15 - —
W. Coast, Minnequa, Colo..gal. .15 - —
Benzophenone, dms. .....lb. 1.15 - 1.20
Benzoyl chloride, cbys.....lb. .20½- .26
Peroxide, pure, gran., fib. ctns., works..lb. .90 - 1.05

Benzyl acetate, f.f.c., cns....lb. .60 - .75
dms. .....lb. .55 - .60
Alcohol (see Alcohol, benzyl).
Benzoate, f.f.c., dms.....lb. 1.00 - 1.15
Chloride, tech., cbys., works, frt. equald..lb. .20 - —
refined, cbys. .....lb. .21 - —
Cinnamate, cns. .....lb. 4.00 - 6.35
Formate, cns. .....lb. 2.15 - 3.50
Propionate, bots. .....lb. 1.65 - 2.45
Salicylate, bots. .....lb. 1.80 - 1.85
Benzylidinacetone, bots. .....lb. 2.00 - 2.70
Benzylisoeugenol, bots.....lb. 9.50 - —
Berberine bisulphate, cns.....lb. No stocks
Hydrochloride, bots. .....lb. No stocks
Sulphate, cns .....lb. No stocks
Berberis root, bls.....lb. .30 - .36
Betanaphthol, resublimed, dms., works..lb. .55 - .60
tech., bbls., c.l., works....lb. .21 - —
l.c.l., works .....lb. .23 - —
Benzoate, fib. dms., works..lb. 1.75 - —
Salicylate, dms. .....lb. 5.00 - —
Betanaphthylamine, tech., works, lb. .51 - —
Betapicoline, 90%, ret. dms., c.l., works..lb. 1.60 - —
l.c.l., works .....lb. 1.85 - —
95%, dms., works.....lb. 2.05 - —
98-99%, works .....lb. 2.20 - —
Betagammapicoline, dms., c.l., works..lb. .23½- —
l.c.l., works .....lb. .24½- —
Beth root, bls. .....lb. .43 - .44
Bismuth chloride, bots.....lb. 3.00 - —
jars .....lb. 2.85 - —
Citrate, USP VIII, bots.....lb. 2.81 - 2.90
jars .....lb. 2.75 - —
Hydroxide, bots. .....lb. 3.41 - 3.46
ens .....lb. 3.35 - —
Metal, ton lots.....lb. 1.25 - —
Nitrate, cryst., bots.....lb. 1.41 - 1.49
ens. .....lb. 1.30 - —
Oxychloride, bots. .....lb. 3.14 - 3.19
ens., dms., kgs.....lb. 3.10 - —
Subbenzoate, bots. .....lb. 3.51 - —
fib. dms. .....lb. 3.40 - —
Subcarbonate, USP, bbls., dms., lb. 1.50 - 1.53
bots., ens .....lb. 1.59 - 1.62
X-ray, 5-lb. bots.....lb. 2.79 - —
fib. dms. .....lb. 2.73 - —
Subgallate, NF, bots, ens...lb. 1.49 - 1.53
fib. dms. .....lb. 1.40 - 1.43
Subiodide, bots. .....lb. 4.19 - 4.25
fib. dms. .....lb. 4.13 - —
Subnitrate, USP, powd., bbls., dms..lb. 1.20 - 1.23
bots. .....lb. 1.29 - 1.33
Subsalicylate, USP, bbls., fib. dms..lb. 2.50 - —
5-lb. cans .....lb. 2.54 - 2.59
Subphosphate, bots. .....lb. 3.71 - 3.74
fib. dms. .....lb. 3.65 - —
Bismuth-ammonia citrate, USP, powd., dms..lb. 3.40 - —
ens. .....lb. 3.45 - 3.50
Black, acetylene, bgs., c.l., works..lb. .14 - —
l.c.l., works.....lb. .16 - —
Bone 1A, bgs., bbls., c.l., frt. alld. E..lb. .17 - —
2, bgs., bbls., c.l., same basis. lb. .12 - —
3, bgs., bbls., c.l., same basis. lb. .11 - —
4, bgs., bbls., c.l., same basis. lb. .06½- —
400A, bgs., bbls., c.l., same basis..lb. .08½- —
457, bgs., bbls., c.l., same basis..lb. .11¼- —
Bone black l.c.l. prices are ½c. higher than c.l. Pacific coast, ex dock, or whse., prices are 1½c. higher.
Black, carbon, channel, compressed, beads, bulk, c.l., works..lb. .05 - —
bgs., c.l., works.....lb. .0525- —
l.c.l., works.....lb. .06 - —
divd. or whse.....lb. .092 - —
uncompressed, regular, bgs., c.l., works..lb. .05625- —
bgs., ctns., l.c.l. divd. or whse..lb. .097 - —
Furnace, HMF, bgs., c.l., works..lb. .05 - —
ctns., l.c.l., whse.....lb. .07½- —
SRF, bgs., c.l., works..lb. .03½- —
ctns., l.c.l., whse.....lb. .06 - —
Thermatonic, bgs., c.l., works, La..lb. .04 - —
l.c.l., whse. Trenton, N. J. lb. .06½- —
Charcoal (see C).
Graphite (see G).
Iron oxide, magnetic, pure, bbls., l.c.l., works..lb. .06½- —
Lamp, 1, ctns., c.l., works..lb. .08¼- —
l.c.l., works.....lb. .09 - —
2, ctns., l.c.l., works.....lb. .10 - —
l.c.l., works.....lb. .11 - —
2A, ctns., c.l., works.....lb. .12 - —
l.c.l., works.....lb. .13½- —
3, ctns., c.l., works.....lb. .14¼- —
l.c.l., works.....lb. .15¾- —
4, ctns., c.l., works.....lb. .16¼- —
l.c.l., works.....lb. .17½- —
5, ctns., c.l., works.....lb. .20 - —
l.c.l., works.....lb. .26 - —
6, ctns., c.l., works.....lb. .26¼- —
l.c.l., works.....lb. .27½- —
7, ctns., c.l., works.....lb. .37½- —
l.c.l., works.....lb. .38¼- —
Mineral, vine type, bbls., l.c.l., works..lb. .04¾- —
Vine A, bbls.....lb. .04½- .05
B, bbls.....lb. .05¾- —
kegs .....lb. .06 - —
Black dyes (see Dyes).
Black haw root bark, bls.....lb. .33 - .34
Tree bark, bls.....lb. .40 - .45
Black Indian hemp root, bls..lb. .55 - .60
Blanc fixe, dry, by-product, bgs., c.l., works..ton.60.00 - —
l.c.l., works.....ton.67.00 - —
direct process, bgs., c.l., works..ton.70.00 - —
bbls., c.l., works....ton.75.00 - —
l.c.l., works.....ton.80.00 - —
pulp, 66%, bbls., c.l., works, ton.40.00 - —
l.c.l., same basis....ton.40.50 - —
Bleaching powder,[3] dms., c.l., works..100 lbs. 2.50 - 3.10
l.c.l., works.....100 lbs. 3.75 - 3.86
Blood,[1,7] dried, 16-16½% ammo., bgs..unit-ton.10.00 - —
high-grade, unground, 16-17% ammon., bulk, Chicago. unit-ton.10.00 - —
soluble, bgs., c.l., Chicago...lb. .13 - —
l.c.l., Chicago.....lb. .15 - .20
Bloodroot, bls.....lb. .60 - .66
Blue,[1] alkali, dry, bbls., divd. N. of Tenn. and N. C., E. of Miss. River, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis. lb. 1.75 - —
Toner, bbls., same basis....lb. .85 - .90
Celestial, bbls., same basis...lb. .10 - .12
Chinese, bbls., same basis..lb. .36 - —
Cobalt, genuine, bbls., same basis..lb. 4.90 - —
Imitation (see Blue, ultramarine).

SPOT STOCK

AMMONIUM PHOSPHATE	PARA-DICHLOROBENZENE
ANILINE SALT	POTASSIUM CARBONATE
CETYL ALCOHOL	PRUSSIATE OF SODA
CITRIC ACID	SODIUM BENZOATE
CREAM OF TARTAR	SODIUM CITRATE
ETHYL ACETATE	SODIUM PERBORATE
ETHYLENE DIAMINE	STEARYL ALCOHOL
HEXYLRESORCINOL	TARTARIC ACID
LANOLIN	TALL OIL
MYRISTYL ALCOHOL	ZINC DUST

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CABLE—"WILNEUBERG"

Copper phthalocyanin, full strength, bbls., same basis. lb. 3.50 - 3.75
50%, bbls., same basis...lb. 3.00 - —
green shade, bbls., same basis. lb. 4.50 - 4.90
Iron (see Blue, Chinese, Milori, Potash Prussian, and Soda).
Milori, bbls., same basis....lb. .36 - —
Molybdated, Victoria, bbls., same basis..lb. 3.15 - —
Peacock, fugitive, 100% color strength, same basis..lb. .52 - —
permanent toner, green shade, molybdic, bbls., same basis lb. 3.50 - —
tungstic .....lb. 4.00 - —
Potash, CP, bbls., same basis. lb. .42 - —
Prussian, bbls., same basis..lb. .36 - —
soluble, bbls., same basis..lb. .36 - —
Soda, CP, bronze, bbls., same basis..lb. .36 - —
Ultramarine, cobalt type, dry or pulp, bbls., same basis. lb. .23 - .27
jobbing type, dry, bbls., same basis..lb. .12 - .13
regular types, dry or pulp, bbls., same basis..lb. .17 - .27
Victoria, toner, molybdic, bbls.. lb. 3.15 - —
tungstic, bbls.....lb. 3.30 - —
ink toner, bbls., same basis, lb. 1.83 - —
Synthetic vehicle, bbls., same basis..lb. 1.93 - —
Violet, toner, molybdic, bbls., same basis..lb. 1.24 - —
tungstic, kgs., same basis..lb. 2.10 - —
Blue dry colors, divd. prices ¼c. higher Ala., Fla., Ga., La. (Shreveport, 1¼c); Miss., N. C., S. C., Tenn., Tex. (El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c. higher, Pac. Coast; Denver, Pueblo, Salt Lake City, Wichita, frt. equalized with Chicago.

Blues dyes are listed under Dyes.
blue mass, NF, cns., tube....lb. 1.58 - 1.75
powd., bots., cns., dms.....lb. 1.61 - 1.75
Bluefing, root, bls.....lb. .60 - .65
Bluestone (see Copper sulphate).
Blue vitriol (see Copper sulphate).
Bone,[7] raw, bulk, Chicago...ton.57.00 -65.00
junk, bulk, same basis....ton.44.00 -45.00
Meal, raw, 4½% ammon., 50% phos., bgs., E. works.. ton.37.50 - —
Chicago, works.....ton.39.50 - —
steamed, feeding grade, 1% ammon., 60% phos., bgs., E. works..ton.55.00 - —
Chicago, works.....ton.62.00 - —
fertilizer grade, 3% ammon., 50% phos., bgs., E. works ton.45.00 - —
Chicago, works.....ton.50.00 - —
Phosphate, defluorinated (see D). Precipitated (see Calcium phosphate tribasic precip.).
Boneset leaves, bls.....lb. .16 - .17
Borage flowers, bls.....lb. .60 - .62
Borax, tech., 99½% gran., bulk, c.l., frt. alld..ton.41.50 - —
bgs., c.l., frt. alld....ton.45.00 - —
ton lots, ex whse....ton.56.00 - —
less ton lots, ex whse.ton.61.00 - —
bbls., c.l., frt. alld....ton.55.00 - —
ton lots, ex whse....ton.66.00 - —
less ton lots, ex whse.ton.71.00 - —
bgs., c.l., frt. alld.....ton.50.00 - —
ton lots, ex whse....ton.61.00 - —
less ton lots,ex whse. ton.66.00 - —
bbls., c.l., frt. alld....ton.60.00 - —
ton lots, ex whse....ton.71.00 - —
less ton lots, ex whse.ton.76.00 - —
USP, $15 per ton higher.
Bordeaux mixt., dms., c.l., whse., works, frt. alld..lb. .11 - —
l.c.l., same basis.....lb. .11½- —

Bornyl thiocyanoacetate (see Isobornyl thiocyanoacetate).
Brimstone (see Sulphur).
Bromine, purified, cs., c.l., frt. alld. E. of Rockies..lb. .21 - —
1,000 lbs., frt. alld. E. of Rockies..lb. .23 - —
single pkgs., same basis..lb. .28 - —
Brazilwood extract (see Hypernic).
Bromoform, USP, bots.....lb. 1.50 - —
cbys. .....lb. 1.42 - —
Bromstyrol .....lb. 5.20 - 6.25
Bronze powder, aluminum (see A).
Gold, litho., 100-lb. cns., dms., works..lb. .50 - .60
moulding, 100-lb. cans., dms., same basis..lb. .80 - 1.00
printing ink, 100-lb. cns., dms., same basis..lb. .95 - 1.10
radiator, 100-lb. cns., dms., same basis..lb. .60 - .65
Broomtop, bls. .....lb. .21 - .24
Brown, iron-oxide, pure, precip., cks., works..lb. .12 - —
Metallic, bbls., c.l., works..lb. .02½- —
Sap, crystals, works.....lb. .12 - —
powdered .....lb. .13 - —
lb. .08¾- .10¾
Sienna, burnt, American, bbls., works..lb. .06½- .08
pap. bgs., c.l., same basis. lb. 0235- —
Italian type, bbls., works. raw, American, bbls., works. lb. .04 - .10
Italian type, bbls., works. lb. .08 - .10
Umber, burnt, American, bbls., works..lb. .06¼- —
Italian-type, bbls., works.lb. .04¾- —
Turkey-type, bbls., c.l., Boston, Bethlehem, Baston, Pa.; N. Y..lb. .04¾- —
St. Louis, Chicago, Indianapolis, New Orleans..lb. .05¼- —
Minneapolis .....lb. .0535- —
Pittsburgh .....lb. .05 - —

Brown, umber, burnt, Turkey-type, bbls., ex car, Los Angeles..lb. .05¾- —
Portland, San Francisco, Seattle..lb. .06½- —
ex whse., Los Angeles. lb. .05¾- —
Portland, San Francisco, Seattle..lb. .05¾- —
Vandyke, reg., bbls., works..lb. .09 - —
special, bbls., works.....lb. .12 - —
Brucine, cns., 100 ozs.....oz. .35 - .38
Sulphate, cns., 100 ozs.....oz. .30 - .32
Bryonia root, bls.....lb. .58 - .60
Buchu leaves, bls.....lb. .80 - .85
Buckthorn bark, bls.....lb. .45 - .46
Berries, bgs.....lb. .60 - .70
Burdock root, bls.....lb. .55 - .60
Burgundy pitch, dom., dms...lb. .08 - —
Butane,[1] indust., tanks, Group 3. gal. .06½- —
Butyl acetate, normal,[1] ferment, Ill., Ind., prod., dms., c.l., frt. alld. E. of Miss. R. lb. .2085- —
l.c.l., same basis....lb. .2085- —
tanks, same basis....lb. .1985- —
tankwagon, same basis.. lb. .1985- —
other production, dms., c.l., same basis..lb. .1900- —
l.c.l., same basis....lb. .1950- —
tanks, same basis....lb. .1800- —
synthetic, dms., c.l., same basis..lb. .11¼- —
l.c.l., same basis...lb. .12¾- —
tanks, same basis.....lb. .10¾- —
secondary,[1] dms., c.l., divd. E. of Miss. R..lb. .09½- —
l.c.l., same basis.....lb. .10 - —
tanks, same basis.....lb. .06½- —
Normal butyl acetate, W. of Miss. R., ½c. per lb. higher.
Aldehyde, dms., c.l., works..lb. .15½- —
l.c.l., works.....lb. .16½- —
tanks, works.....lb. .14½- —
Ether (see Ether, butyl).
Lactate, dms., works.....lb. .26½- —
Laurate, dms., works.....lb. .42 - —
Myristate, dms., works.....lb. .41 - —
Oleate, ref., dms., l.c.l., works. lb. .35 - —
tech., dms., c.l., works.....lb. .24 - —
l.c.l., works.....lb. .24½- .25½
Phenylacetate, dms.....lb. 2.00 - 2.25
Phthalate (see Dibutyl phthalate).
Propionate, dms., divd.....lb. 16½- .17
tanks, divd.....lb. .15½- —
Stearate, dms.....lb. .51½- —
Butyric ether, bots.....gal. 6.50 - 6.95
cns., works.....lb. .65 - .70
dms., works.....lb. .60 - —

C

Cadmium bromide, bots.....lb. 1.84 - 1.91
jars .....lb. 1.65 - 1.70
Iodide, bots.....lb. 4.23 - —
cns. .....lb. 4.09 - —
Lithopone (see Yellow).
Metal,[1,5] ingots or sticks, divd. lb. .90 - —
pat. shapes, cs., divd.....lb. .95 - —
Selenide (see Red).
Sulphide (see Yellow).
Caffeine,[1] dms., 100 lbs. or more, lb. 2.80 - 2.85
smaller lots.....lb. 2.95 - 3.25
anhydrous, dms., 100 lbs. or more..lb. 3.00 - 3.05
smaller lots.....lb. 3.15 - 3.45
Citrated, dms., 100 lbs. or more, lb. 1.95 - —
smaller lots.....lb. 2.05 - 2.30
Hydrobromide, bots.....lb. 5.29 - 5.37
Calabar beans, bgs., futures. lb. .65 - .66
Calamus root, natural, dom., bls. lb. .50 - .55
imported, bleached, bls..lb. .70 - .86
Calciferol, in corn oil, dms., 10,000 units or more, works, unit. .10 - —
1,000 to 10,000 units, works, unit. .11 - —
less than 1,000 units, works, unit. .12 - —
Calcium acetate, bgs., divd.... 100 lbs. 3.00 - 4.00
Arsenate, bgs., c.l., whse., wks., frt. alld..lb. .07½- .08
l.c.l., same basis.....lb. .08 - .08½
Bromide, N.F., jars.....lb. .65 - .70
Carbide,[1] dms., c.l., works.ton.50.00 - —
divd. .....ton.87.00 -90.00
Carbonate (see Chalk and Whiting).
Chloride, cryst., purified, bbls., jars..lb. .25 - .30
flake, 77-80%, paper bgs., c.l., divd..ton.18.50 -35.00
l.c.l., divd.....ton.28.50 -45.00
liquor, basis 40%, tanks, works..ton. 7.50 - —
solid, 73-75%, dms., c.l., divd. ton.18.00 -34.50
l.c.l., divd.....ton.28.00 -44.50
Calcium chloride prices vary according to zone; minimum prices are for spot delivery. C.l. prices for flaks in burlap paper-lined bags, $2.50 per ton over paper bags; drums, $3.50 per ton over paper bags.
Cyanide, dms., delivered E. of Rockies..lb. .20 - .40
Gluconate, USP, gran., bbls., lb. .52 - —
dms. .....lb. .57 - .59
cns. .....lb. .70 - —
powd., 2c. per lb. lower.
Glutamate, kgs.....lb. 1.50 - —
Glycerophosphate, fiber dms., 1,000-lb. lots..lb. 1.25 - —
smaller lots.....lb. 1.40 - 1.60
Hypochlorite, dms., divd. E. of Rockies..lb. .22 - .29½
cans, in cases, same basis..lb. .3775- .4525
Iodide, bots., jars.....lb. 4.04 - 4.19
Lactate, edible, dms.....lb. .21 - —
USP, bbls.....lb. .35 - .37
Laurate, bbls.....lb. .28 - .29
Mandelate, USP, dense, fluffy, works, dms..lb. 2.65 - 2.80
Naphthenate, 4% Ca, 50-gal. dms..lb. .22½- —
Pantothenate, doz., 100-gram bots, works..per gram. .10 - —
Phosphate, feeding grade, bgs., works..ton.75.00 - —
food grade, bbls., 10 or over, works..lb. .07 - .07¾
less than 10, works.....lb. .08 - .10
medicinal, dibasic, bgs..... 100 lbs.11.40 -16.00
monobasic, cryst., bgs., c.l., works, frt. equald..lb. .05¾- —
l.c.l., frt. equald.....lb. .06 - .06½
tribasic, bbls., c.l., works..lb. .0635- —
bgs., l.c.l., works.....lb. .0645- .0660
Resinate, precip., 5.5% Ca, 100-lb. dms..lb. .15¼- —
Silicate, hydrated, c.l., bgs., works..lb. .05½- —
l.c.l., works.....lb. .06 - —

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(powder, crystal and micro crystal)
Sodium Sulfathiazole U.S.P.
Sulfapyridine U.S.P.
Sodium Sulfapyridine
Aminoacetic Acid U.S.P.
Calcium Pantothenate (Dextro)
Choline Chloride
Choline Dihydrogen Citrate
Cinchophen N.F.
(and Sodium Salt)
Neocinchophen U.S.P.
Mandelic Acid U.S.P.
(and Calcium Salt)
Menadione U.S.P.
Methylene Blue U.S.P.
(powder or crystals)
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Nicotinamide U.S.P.
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Phenothiazine N.F.
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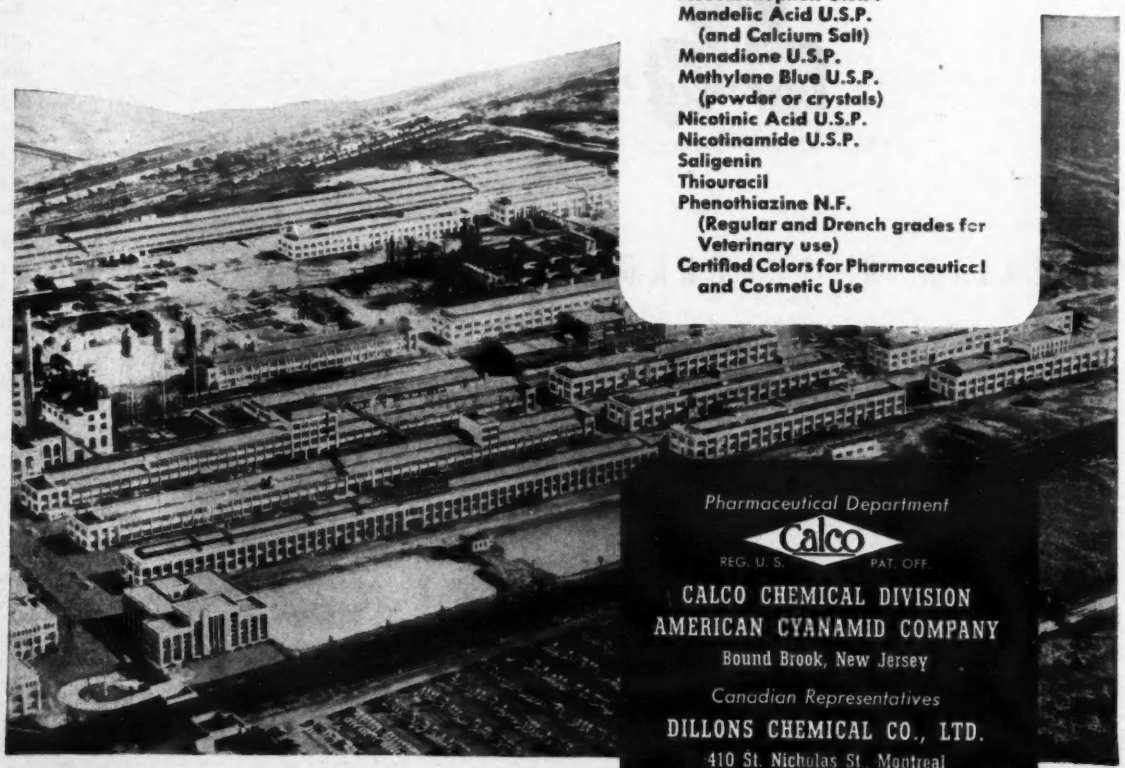


Pharmaceutical Department
Calco
REG. U. S. PAT. OFF.
CALCO CHEMICAL DIVISION
AMERICAN CYANAMID COMPANY
Bound Brook, New Jersey
Canadian Representatives
DILLONS CHEMICAL CO., LTD.
410 St. Nicholas St., Montreal
137 Wellington St. W., Toronto

Calcium stearate, precip., ctns., c.l., works..lb. .28½- —
l.c.l., works.....lb. .29½- .30½
Sulphate (see Gypsum).
Sulphide, 70%, bgs., c.l., works. ton.45.00 - —
80%, bgs., c.l., works....ton.50.00 - —
luminous, tins, works.....lb. 1.25 - —
Sulphocarbolate, bbls.....lb. .49 - .50
Tallate, 8%-4% Ca, 50-gal. dms. lb. .13¼- .19½
Calcium-strontium sulphide, phosphorescent, dms., works..lb. 1.00 - 1.50
fine particle size, works.. lb. 1.50 - 1.75
Calendula flowers, bls.....lb. 2.60 - 2.65
Calomel, bbls., dms.....lb. 2.44 - 2.48
Camphor, natural.....lb. No stocks
synth., tech., bbls., contract, 2,000 lbs. or more, works.lb. .42 - —
10 bbls. (1,500 lbs.).....lb. .44½- —
5 to 9 bbls.....lb. .45 - —
1 to 4 bbls.....lb. .46 - —
smaller lots.....lb. .48 - .55
USP, gran., powd., bbls., 2,000-lb. lots..lb. .69 - —
1,000-lb. lots.....lb. .70 - —
smaller lots.....lb. .71 - —
tablets, 2,000-lb. lots.....lb. .82 - —
1,000-lb. lots.....lb. .83 - —
smaller lots.....lb. .94 - —
Camphor, monobromated, dms.lb. 3.20 - —
Canada balsam (see Fir balsam).
Cantharides, Russian, bgs.....lb. 9.00 - —
Chinese, cs.....lb. 8.00 - 8.25
powd., bxs.....lb. 9.25 - 9.50
Capsicum (see Pepper, red).
Capsium oleoresin, USP VII, cns..lb. 4.50 - 4.65
Caramel coloring, bbls.....gal. .70 - 1.10
Caraway seed, California, Dutch type..lb. .25½- .26
Canadian, bgs.....lb. .25½- .26
Danish, bgs.....lb. .25½- .26
Dutch, bgs.....lb. .25¾- .26¼
futures, bgs.....lb. .26½- .27
Morocco, dewhiskered, futures, bgs..lb. .37 - .38
natural, bgs., futures.....lb. .33 - .34
Spanish, dewhiskered, bgs...lb. No stocks
Swedish, bgs.....lb. .25½- .26
Syrian, dewhiskered, bgs....lb. No stocks
Carbazole, 95%, dms., ton lots, works..lb. .70 - —
smaller lots, works.....lb. .80 - —
95%, dms., ton lots, works..lb. .75 - —
smaller lots, works.....lb. .85 - —
Carbinol, butyl, norm. dms., l.c.l., works..lb. .27 - —
secondary, dms.. l.c.l., works. lb. .60 - —
Isobutyl, dms., c.l., works..lb. .22½- —
l.c.l., works.....lb. .23½- —
tanks, works.....lb. .21½- —
Methylisobutyl, dms., c.l., nearest delivery point buyer's works..lb. .11¾- —
l.c.l., same basis.....lb. .12¼- —
tanks, same basis.....lb. .10¾- —
Carbon bisulphide, 55-gal. dms., c.l., frt. all. E. of Miss R., N. of Ohio R..lb. .05 - —
l.c.l., same basis.....lb. .05¾- —
8-gal. dms., c.l., same basis. lb. .07 - .07½
l.c.l., same basis.....lb. .08 - .08½
Dioxide, cyls.....lb. .06 - .08
Tetrachloride,[1] c.p., dms., c.l. gal. .96 - —
l.c.l. .....gal. 1.01 - —
tech., Zone 1, 52½-gal. dms., c.l., frt. alld..gal. .69 - —
l.c.l., frt. alld.....gal. .76 - —
5 or 10-gal. dms., c.l., frt. alld..gal. .93 - —
l.c.l., frt. alld.....gal. 1.03 - —
Zone 2, 52½-gal. dms., c.l., frt. alld..gal. .76 - —
l.c.l., frt. alld.....gal. .83 - —
5 or 10-gal. dms., c.l., frt. alld..gal. 1.00 - —
l.c.l., frt. alld.....gal. 1.10 - —
Zone 3, 52½-gal. dms., c.l., frt. alld..gal. .90 - —
l.c.l., frt. alld.....gal. .96 - —
5 or 10-gal. dms., c.l., frt. alld..gal. 1.13 - —
l.c.l., frt. alld.....gal. 1.23 - —
Zone 4, 52½-gal. dms., c.l., gal. .83 - —
5 or 10-gal. dms., c.l..gal. 1.03 - —
l.c.l. .....gal. .90 - —
USP, cbys.....lb. .17 - .19
Carbon tetrachloride prices are frt. alld. with the exception of Zone 4, where prices are f.o.b. cars, L. A. Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. Sales zones are:—1, Conn., Del., Ill., Ind., Ia., Me., Mass., Md., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., O, Pa., R. I., Tenn., Va., W. Va., Wis., and river cities of Burlington, Ia., and Kansas City, Kans.; 2, Ala., Ark., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D.; 3, Colo., N. Mex., Tex., and Montana points E. of Billings; 4, Ariz., Cal., Idaho, Nev., Ore., Utah, Wash. and Montana points W. of Billings.

Cardamom, bleached, bold, cs., lb. 1.35 - 1.40
medium, cs.....lb. 1.30 - 1.35
decorticated, Guatemala, cs..lb. 1.15 - 1.20
India, cs. .....lb. 1.15 - 1.20
green, Alleppey, bgs.....lb. .92 - .93
Carotene, cryst., 1,350,000 A units per gm., tins, works, 1,000,000 units. .50 - —
research grade (alpha, 10%; beta, 90%), amps. 100 grams, dlvd..gram. 2.65 - —
50 grams, dlvd.....gram. 2.90 - —
in vegetable oil, 250,000 USP units per gm., bots., works. lb.37.80 - —
50,000 USP units per gm., bots., works..lb. 8.43 - —
dms., works.....lb. 7.68 - —
8,800 A units per gm., tins, works, 1,000,000 units. .55 - —
dms., works..1,000,000 units. .50 - —
8,800 USP units per gm., dms., works..lb. .66 - .71
Carvol, bots.....lb.16.00 -20.00
Cascara sagrada bark, bulk...lb. .44 - .45
Case-hardening mixture, 80% gran., dms., l.c.l..lb. .09¾- —
slabs, dms., l.c.l. .....lb. .08¾- —
Casein,[3] dom., acid-precip., bgs., 10,000 lbs. or more, ship't point..lb. .41 - .42
2,000 lbs. or more, but under 10,000 lbs., same basis..lb. .42 - .43
less than 2,000 lbs., same basis..lb. .43 - .44
rennet-precip., bgs., 10,000 lbs. or more, same basis, lb. .42¼- .42½
2,000 lbs. or more, but under 10,000 lbs., same basis..lb. .42¾- .44¼
less than 2,000 lbs.....lb. .43¼- .44¼
imp., acid-precip., ground, bgs., 100 bgs. or more..lb. .41 - .42
rennet-precip., unground, 100 bgs. or more..lb. .42¼- .44

Cassia,[1] China buds, bgs., futures..lb. .52 - .53
rolls, selected, cs.....lb. .43 - .44
if released.....lb. .34½- .35
extra select, broken, bls..lb. .34½- .35
Saigon, all medium, futures..lb. .43 - .44
4-10-4, bls., futures.....lb. .42 - .43
Cassia fistula, bskts.....lb. .26 - .28
Castor bean,[1,7] bgs., c.i.f. first arrival point, U.S..long ton.118.00 - —
Oil (see Oil, castor).
Pomace,[1] bgs., c.l., works..... unit-ton. 3.15 - 4.75
Castoreum, nat., cns.....lb.12.00 -13.00
synthetic, cns. .....lb.10.00 - —
Catechol, CP, cryst., works, 5lb. dms., frt. alld..lb. 1.90 - —
resublimed, works, frt. alld., dms..lb. 3.25 - —
Catnep, bls.....lb. .50 - .55
Celery seed, French, bgs.....lb. 1.00 Nom.
Indian, bgs. .....lb. .26 - .26½
Celluloid scrap (see Pyroxylin scrap).
Cellulose acetate, flake, ctns., works, frt. alld. on 100 lbs. or more..lb. .30 - —
granules, ctns., same basis.lb. .35 - —
Cellulose acetate-butyrate, flake, high (36.5%) butyryl content, 50-lb. ctns., 5,000 lbs. and up, frt. alld..lb. .45 - —
1,000-4,900 lbs., frt. alld..lb. .46 - —
100-900 lbs., frt. alld. lb. .47 - —
smaller pkgs., works..lb. .48 - —
medium (15.5 or 17.0%), 50 lb. ctns., 5,000 lbs. and up, frt. alld..lb. .43 - —
1,000-4,900 lbs., frt. alld..lb. .44 - —
100-900 lbs., frt. alld. lb. .45 - —
smaller pkgs., works..lb. .46 - —
Granules are 5c. per lb. higher. all quantities.

Cellulose acetate-propionate, flake, high (31.5% propionyl content), 50-lb. ctns., 5,-000 lbs. and up, frt. alld. lb. .45 - —
1,000-4,900 lbs., frt. alld.lb. .46 - —
100-900 lbs., frt. alld....lb. .47 - —
smaller pkgs., works..lb. .48 - —
Granules are 5c. per lb. higher all quantities.
Triacetate, flake, ctns., works, frt. alld. on 100 lbs. or more..lb. .30 - —
Cerium hydrate, dms., works..lb. .60 - —
Oxalate, USP, bbls., works..lb. .35 - —
kgs., works.....lb. .37 - —
Oxide, optical grade, kgs., 100-lb. lots, works..lb. 1.50 - —
bgs., smaller lots, works.lb. 2.00 - —
Chalk, precipitated, cosmetic, dentifrice, and drug, bgs., c.l., works..lb. .02¾- —
paint and other industries, bgs., c.l., works..ton.40.00 - —
papermakers, bgs., c.l., works. ton.82.50 - —
rubbermakers, bgs., c.l., works ton.30.00 - —
Chamomile, Hungarian type, cs. lb. .90 - .95
Roman, bls., futures.....lb. 1.70 - 1.80
Charcoal, hardwood, lump, bulk, c.l., works..ton.38.00 -39.50
bur, bgs., included, c.l., works..ton.41.50 -46.80
briquets, bulk, c.l., works... ton.44.50 -49.80
bgs., c.l., works.....ton.49.80 -50.80
granular, all grades, bgs., works..ton.46.80 -49.80
screenings, bgs., works....ton.31.20 -33.15

Charcoal, pinewood,[1] lump, bgs., c.l., Southern shipping point..ton.20.00 -24.00
granular, powd., bgs., c.l., works, South..ton.30.20 -34.20
l.c.l., works.....ton.41.00 - —
Willow, powd., bbls.....lb .06 - .07
Chestnut extract,[1,6] standard, 25% tannin, bbls., c.l., works. 100 lbs. 3.82 - 4.60
l.c.l., works.....100 lbs. 4.07 - 4.85
tanks, works.....100 lbs. 3.22 - 4.00
powdered, 65% tannin, bags extra, c.l., works.100 lbs. 9.02 - 9.96
l.c.l., wo.rks..100 lbs. 9.77 -10.71
Chillies (see Pepper, Red).
China clay,[1] dom., dry-grd., airfloat, 99.75%, 300 mesh, bgs., c.l., works..ton. 9.50 - —
l.c.l., works....ton.16.00 - —
bulk, c.l., works.ton. 7.60 - —
200 mesh, bgs., c.l., works..ton. 8.50 - —
l.c.l., works.....ton. 9.50 -15.50
wet-grd., silk-bolt, 99½%, 325 mesh, bulk, c.l., works..ton. 9.50 - —
paper bgs., c.l., works.ton.12.50 - —
imported, white, lump, bulk, c.l., ex dock Balto., Boston, Norfolk, Phila..ton.19.00 -24.00
powd., cks., l.c.l., ex whse. ton.41.00 - —
Chloral hydrate, jars.....lb. .93 - .98
dms. .....lb. .90 - .95
Chlorinated rubber[8] standard. ctns., 100 lbs. up, works.lb. .32 - —
smaller lots, works.....lb. .35 - —
1-lb. bots., ex whse.....lb. 1.25 - —
Chlorine, liquid, cyls., c.l.....lb. .05¾- —
contracts .....lb. .05½- —
l.c.l. .....lb. .07¾- —

Spot Deliveries

CITRIC ACID
ACETYL SALICYLIC ACID
SODIUM SULPHIDE Chips
COPPER SULPHATE
SODIUM BISULPHITE
CAUSTIC POTASH
BLEACHING POWDER
ZINC OXIDE
HEAVY CALCINED MAGNESIA White
ZINC CHLORIDE Granular
POTASSIUM PERMANGANATE
SODIUM SULPHITE Anhydrous
MAGNESIUM METAL POWDER High Purity
SODIUM PERBORATE U.S.P.

OTHER SPECIAL PRODUCTS

Distributors for THE RUFERT CHEMICAL COMPANY

NICKEL FORMATE • Also NICKEL CATALYST • NICKEL CARBONATE
NICKEL OXIDE, etc.

GOLWYNNE
CHEMICALS CORPORATION

420 LEXINGTON AVENUE • NEW YORK 17, N. Y. • PHONE LE 2-9740

Chlorine, liquid, tanks, single units, works, frt. equald. 100 lbs. 1.75 - —
multiple units, 3 or over, works, frt. equald..100 lbs. 2.00 - —
2, wks., frt. equald.100 lbs. 2.50 - —
1, wks., frt. equald.100 lbs. 3.00 - —
Chloroform, tech., dms.....lb. .20 - .25
USP, dms.....lb. .30 - .33
Chloropicrin, com'l, 180 lb. cyl., 100-lb. cyls., same basis..lb. .32 - —
25-lb. cyls., ex whse.....lb. 1.00 - —
1-lb. bots., ex whse.....lb. 1.25 - —
Choline chloride, fib. dms., works. lb. 3.00 - 3.10
Dihydrogen citrate, fib. dms., works..lb. 3.00 - 3.10
Chrome acetate, powd., 25% Cr., bbls., works..lb. .32 - .34
ton lots, works.....lb. .30 - .33
solut., 8%, bbls., cs.....lb. .07½- —
7½%, bbls., cs.....lb. .06½- —
Fluoride, bbls., works.....lb. .24 - .27
Cake, bulk, c.l., works.....ton.16.00 - —
Oxide (see Green, chrome oxide).
Trioxide (see Acid, chromic).
Yellow (see Yellow, chrome).
Chrysarobin, lots. .....lb. 6.02 - 6.06
Cinchona bark,[6] red, quill, USP, 10 in., can..lb. 1.20 Nom.
Cinchonidine,[6] small, cryst., cns., 100 ozs..oz. No prices
Cinchonine[6] small, cryst., cns., 100 ozs..oz. No prices
large, cryst., cns., 100 ozs..oz. No prices
Sulphate, NF, cns., 100 ozs..oz. No prices
Cinchopen, NF, heavy, dms., works..lb. 3.70 - 3.80
standard, dms., works.....lb. 3.50 - 3.60
Cinnamic alcohol (see Alcohol, cinnamic).
Aldehyde, chyz., cns., dms...lb. .85 - 1.00
Cinnamon,[1] Ceylon, O, bls., futures..lb. .5700- —
OO, bls. futures.....lb. .5620- —
OOO, bls., futures.....lb. .5900- —
OOOO, bls., futures.....lb. .5900- —
No. 1, bls., futures.....lb. .5625- —
2, bls., futures.....lb. .5585- —
3, bls., futures.....lb. .5535- —
4, bls., futures.....lb. .5385- —
Citral, bots., cns.....lb. 6.75 - 7.00
Citrine, ointment, bars.....lb. .95 - 1.15
Citronellal, bots., dms.....lb. No prices
Citronellol, bots., dms.....lb. No prices
Clove, Madagascar, bls.....lb. .14½- .15¼
futures, bls.....lb. .14½- .15
Zanzibar, bls.....lb. .15½- .16
futures, bls.....lb. .15 - 15½
Clover tops, red, dom., bgs....lb. .50 - .55
imported, bgs. .....lb. No stocks
Coaltar, coal-gas, crude, 50 gal., bbls., c.l., works..bbl. 8.25 - —
l.c.l., works .....bbl. 8.75 - —
tanks, works .....gal. .07½- .08½
refd., 50-gal., bbls., c.l., works. bbl. 8.75 - —
l.c.l., works .....bbl. 9.25 - —
tanks, works .....gal. .08½- —
water-gas, crude, 55-gal. dms., c.l., works..bbl. 8.25 - —
l.c.l., works.....db. 8.75 - —
refd., 55-gal. dms., c.l., works. dm. 8.75 - —
l.c.l., works.....dm. 9.25 - —
Cobalt acetate, bbls., kgs., dlvd.. lb. .83½- —
feed grade, 49.5% Co, kgs..lb. 1.25 - —
Carbonate, powd., bgs., works.. lb. 1.56 - —
feed grade, 23% Co, kgs....lb. 1.85 - —
Chloride, kgs., works.....lb. .87½- —
feed grade, 24.5% Co, kgs..lb. 1.25 - —
Hydrate, bbls.....lb. 2.04 - —
feed grade, 62% Co, kgs....lb. 2.25 - —
Linoleate, paste, 8%, dms...lb. .82 - .85
solid, 8½%, dms.....lb. .44 - —
Nitrate, feed grade, 20.4% Co, kgs..lb. 1.25 - —
Oleate, bbls.....lb. .44 Nom.
Oxide,[1] black, kgs.....lb. 1.84 - —
Phosphate, feed grade, 34% Co, kgs..lb. 1.75 - —
Resinate, precip., 7.5% Co, 100-lb. dms..lb. .85½- —
Soyate, 8%-8.5% Co, 50-gal. dms..lb. .42 - .44
Sulphate,[6] dms.....lb. .63 - —
feed grade, 21% Co, kgs....lb. 1.00 - —
Cobalt salts, feed grade, quotations are f.o.b. Philadelphia, Cleveland or New York.
Cobalt-ammonium sulphate, 14% Co, kgs..lb. 72 - —
Cocaine hydrochloride, 100-oz. lots, cns..oz. 9.75 - —
Cochineal, gray, bgs.....lb. .46 - .47
silver, Teneriffe, bgs.....lb. .47 - .48
Cocoa butter,[1,7] bulk, ship. pt..lb. .25 - —
Cocillana bark, bgs.....lb. .60 - .61
Codeine, cns., 100 ozs.....oz.11.70 - —
Hydrochloride, cns., 100 ozs.oz.10.50 - —
Phosphate, cns., 100 ozs.....oz. 9.00 - —
Sulphate, cns., 100 ozs.....oz. 9.50 - —
Codliver oil (see Oil, codliver).
Cohosh root, black, bls.....lb. .22 - .28
blue, bls.....lb. .24 - .28
Colchinine, bots., cns.....oz. No stocks
Colchicum seed.....lb. No stocks
Collodion, USP, dms.....lb. .19½- .20½
cns. .....lb. .28 - .29½
Flexible, USP, dms.....lb. .21 - .32
cns. .....lb. .28 - .31
Colocynth pulp, bls.....lb. .52 - .55
Colombo root, bls.....lb. .12 - .14
Coltsfoot leaves, bgs.....lb. .70 - .72
Condurango barz, bgs.....lb. .17 - .18
Copaiba balsam, Para, cns....lb. No stocks
S. A., USP, cns.....lb. .95 - 1.00
Copper acetate, cupric, bbls., works..lb. .25½- —
smaller containers, wks...lb. .27 - —
Carbonate, 53-54%, bbls.....lb. .19½- .20½
Chloride, anhyd., bbls.....lb. .22½- .23
crystals, bbls.....lb. .14½- .17
Cyanide, tech., bbls.....lb. .34 - .36
Iodide, bots.....lb. .34 - .38
Metal,[1] electrolytic.....lb. .14½- —
Naphthenate, 6%-8% Cu, 50-gal. dms..lb. .15 - .17
Nitrate, tech., cryst., bbls..lb. .19½- .20½
Oleate, precip., bbls.....lb. .23½- .24½
Oxide, black, bbls., works....lb. .19 - .20
red, com'l, bbls., works....lb. .21 - .24½
Oxychloride-sulphate,[6] bgs...lb. .17 - .20
Resinate, precip., 8.5% Cu, 125-lb. dms..lb. .12½- .16
Stearate, bgs., works.....lb. .35½- —
Sulphate,[1] 99%, cryst., bgs., c.l., works...100 lbs. 5.65 - —
l.c.l., 700 to 36,000 lbs... 100 lbs. 5.80 - 6.15
monohydrated, dms., c.l., dlvd. 100 lbs.10.10 - —
l.c.l., dlvd.....100 lbs.10.35 - —
Copperas, cryst., gran., bgs., c.l., works..ton.17.00 - —
l.c.l., works.....100 lbs. 1.55 - 2.00
bbls., c.l., works.....ton.20.00 - —
bulk, c.l. works.....ton.14.00 - —
Copra,[1,7] Coast, ship't.....ton.100.50 - —
Coriander seed, Argentine, bgs lb. .06¼- .06⅝
Indian bgs.....lb. No Stocks
Morocco, bgs.....lb. .06 - .06½
Peru, bgs.....lb. .05 Nom.
Corn silk, bls.....lb. .45 - .46
Corn sugar, tanners, chipped, bgs., c.l..100 lbs. 6.467 - —
bbls., c.l. .....100 lbs. 6.511 - —
Syrup, 42°, bbls., c.l.....100 lbs.6.947 - —
l.c.l. .....100 lbs. 7.047 - —

Corrosive sublimate,[6] cryst., dms., 50 lbs. or more..lb. 2.07 - —
gran., powd., dms., 50 lbs. or more..lb. 1.92 - —
Cottonroot bark, bls.....lb. .35 - .40
Cottonseed hull ash, 32-35% pot-ash, bgs., dlvd..unit-ton. 1.20 - —
Meal,[1,7] 41% protein, bulk, Memphis, c.l..ton.59.00 -64.75
Coumarin,[1] cns., 5 lbs. or more.. lb. 2.75 - —
smaller lots.....lb. 2.90 - 3.10
Cramp bark, NF, bls.....lb. .80 - .81
Cream of tartar, dom., USP, gran. or powd., bbls., 5,000 lbs. one ship't..lb. .51½- —
smaller lots, bbls., kgs., lb. .52 - .52½
Creosote carbonate, bots., chys., lb. 2.10 - 2.20
Coaltar (see Cresol).
Oil,[2] coaltar, crude, tanks, works..gal. .15½- —
refined, dms., c.l., works, gal. .247 - .3235
l.c.l., same basis....gal. .26 - .35
tanks, same basis....gal. .16 - .16½
solution, tanks, works....gal. .141 - —
Wood, beech, bots., chys....lb. .85 - 1.04
Hardwood, N.F., bots., chys. lb. .90 - .77
Pine, dms.....gal. .31 - .33
Cresol,[2] special resin grades, dms., c.l., works, frt. equald., lb. .09½- .10½
l.c.l., same basis.....lb. .10 - .11
tanks, same basis.....lb. .08½- .09⅝
USP, dms., c.l., same basis..lb. .10⅝- .11¼
l.c.l., same basis.....lb. .11¼- .11⅝
tanks, same basis.....lb. .10 - .10½
Crotonaldehyde, 97%, l.c.l., 55 and 110-gal. dms..lb. .15 - —
5 and 10-gal. dms., works.. lb. .18 - —
Cryolite, nat.,[4] bgs., bbls., c.l., works..100 lbs. 9.50 - 9.75
bbls., l.c.l., works....100 lbs.10.00 - —
synth.,[4] bgs., bbls., c.l., frt. alld. E. of Miss. R..lb. .08½- —
l.c.l., works.....lb. .09¼- —
Cube root, 5% rotenone, bbls., works..lb. .45 - —
4% rotenone, bbls., works..lb. .36 - .31
Cubeb berries, XX, bgs.....lb. No stocks
powd., cs.....lb. No stocks
Culvers root, bls.....lb. .35 - .40
Cumin seed, Cyprus, bgs.....lb. No stocks
Indian, bgs., futures.....lb. .31½- .32
Morocco, bgs. .....lb. No stocks
Persian, bgs., futures.....lb. .30 - .31
Syrian, bgs., futures.....lb. .31½- .32
Cutch, bgs. .....lb. No stocks
Cyanamide,[6] fertiliser mixing grades, guaranteed, 20.6% N, gran., bulk, Niagara Falls, Ont., contracts, bulk, unit-ton. 1.62½- —
21% N., pulv., bgs., same basis..unit-ton. 1.52½- —
Cyclohexane, tech., dms., c.l., works..lb. .10½- —
l.c.l., works .....lb. .11 - —
tanks, works .....lb. .09½- —
Cyclohexanol, 90%-100%, dms., works..lb. .21 - .22
Cyclohexanone, 97½% min., dms., c.l., works..lb. .30 - .32
tech., dms., c.l., works.....lb. .30 - —
l.c.l., works .....lb. .30½- —
tanks, works .....lb. .29 - —
Cyclopropane, USP, cyls., dlvd., gal. .37 - —

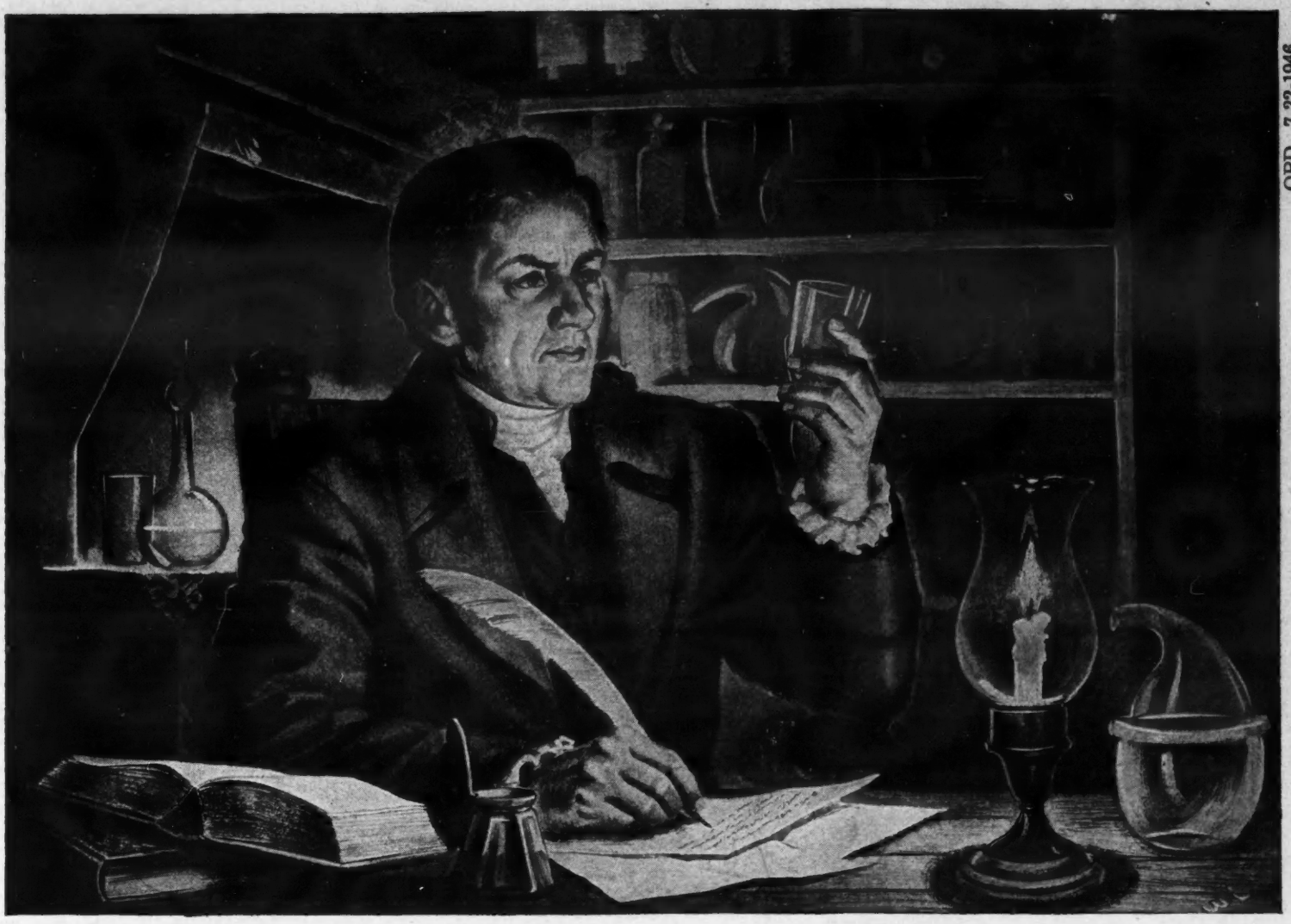
D

Damiana leaves, bls.....lb. .35 - .40
Dandelion root, bls.....lb. .75 - .80
DDT, fiber, dms., c.l., works..lb. .45 - —
ton lots, works.....lb. .50 - —
tins, smaller lots, works...lb. .53 - .60
Decanol, normal, tech., dms., dlvd..lb. .35 - —
Deertongue, bls. .....lb. .34 - .35
Defluorinated phosphate,[1] paper bgs., works..ton.35.75 - —
Degras,[1] common, bbls.....lb. .10 - .13
neutral, less 2% ffa, bbls....lb. .26 - .28
over 2% ffa, bbls.....lb. .24 - .26
Derris root (see Cube root).
Dextrin, British gum, bgs., c.l. 100 lbs. 7.891 - —
l.c.l. .....100 lbs. 7.991 - —
Chicago, bgs., c.l.....100 lbs. 7.49 - —
Corn, canary, bgs., c.l..100 lbs. 7.641 - —
l.c.l. .....100 lbs. 7.741 - —
Chicago, bgs., c.l..100 lbs. 7.24 - —
dark, bgs., c.l.....100 lbs. 7.741 - —
l.c.l. .....100 lbs. 7.841 - —
Chicago, bgs., c.l..100 lbs. 7.34 - —
white, bgs., c.l.....100 lbs. 7.571 - —
l.c.l. .....100 lbs. 7.671 - —
Chicago, bgs., c.l.....100 lbs. 7.17 - —
Potato, bgs., c.l. .....lb. .10 - —
l.c.l. .....lb. .10¾- .11⅛
Diacetone (see Alcohol, diacetone).
Diacetyl, flavor grades, bots...lb. 5.50 - 5.55
laboratory grade, bots..... 100 grams. 4.50 - —
tech., bots., works.....lb. 3.00 - —
Diamyl ether (see Amyl ether).
Phthalate,[6] dms., c.l., dlvd..lb. .2170- .2200
l.c.l., dlvd. .....lb. .2220- .2250
tanks, dlvd. .....lb. .2070- .2100
Sulphide, l.c.l., dms., works.lb. .25 - —
Diatomaceous earth, dom., CP, bgs., c.l., Atlantic Coast..lb. .07 - —
l.c.l., ex whse.....lb. .10 - .16
nat., bgs., c.l., Pacific Coast. ton.22.00 -25.00
l.c.l., ex whse.....ton.45.00 - —
purified, bgs., c.l., Atlantic coast..ton.55.00 -59.00
l.c.l., ex whse.....ton.85.00 -90.00
imported, Algerian, bgs., c.l., Atlantic coast..ton. No prices
Mexican, white, bgs., c.l., Atlantic coast..lb. .02 - .03
l.c.l. .....lb. .04 - .05
Dibutyl, phthalate,[1] 5-gal. cns., works..lb. .2550- .2900
1-gal. cns., works.....lb. .2750- .3100
dms., c.l., works.....lb. .2000- .2350
l.c.l., works.....lb. .2050- .2400
tanks, works.....lb. .1900- .2250
Sebacate,[1] dms., c.l., works..lb. .5000- .5370
l.c.l., works.....lb. .5050- .5420
tanks, works.....lb. .4900- .5270
Tartrate, dms., works, frt. alld. lb. .92 - 1.03
Dibutylamine, dms., c.l., works.. lb. .66 - —
l.c.l., works.....lb. .69 - —
Dichlorodiphenyltrichloroethane (see DDT).
Dichloroethyl ether,[6] purified, dms., c.l., works, frt. equald with So. Charleston..lb. .16 - —
l.c.l., same basis.....lb. .17 - —
tanks, same basis.....lb. .15 - —
Diethanolamine,[6] dms., c.l., frt. alld. in E..lb. .23½- —
l.c.l., same basis.....lb. .24½- —
tanks, same basis.....lb. .23½- —

Diethyl carbonate, com'l, dms..lb. .35 - —
refd., 99%, dms.....lb. .40 - —
Oxalate, dms., c.l., dlvd.....lb. .20½- —
l.c.l., dlvd.....lb. .21 - —
Phthalate,[6] dms., c.l., dlvd..lb. .21½- —
l.c.l., dlvd.....lb. .22 - —
tanks, dlvd.....lb. .20½- —
Sulphate, dms., c.l., works..lb. .14 - —
l.c.l., works.....lb. .15 - —
tanks, works.....lb. .13 - —
Diethylamine, dms., c.l., works.lb. .44 - —
l.c.l., whse.....lb. .46 - —
tanks, works.....lb. .40 - —
Diethylaminoethanol, dms., l.c.l., works, frt. alld. E. of Miss. R..lb. .75 - —
Diethylaniline, dms.....lb. .40 - —
Diethylenegiycol, dms., c.l., frt. alld. in E..lb. .14 - —
l.c.l., same basis.....lb. .15 - —
tanks, same basis.....lb. .13 - —
Monobutylether, dms., c.l., works..lb. .23 - —
l.c.l., works.....lb. .23 - —
tanks, works.....lb. .21 - —
Monoethylether, dms., c.l., wks. lb. .18½- —
l.c.l., works.....lb. .16½- —
tanks, works.....lb. .14½- —
Digitalis leaves, dms.....lb. 1.05 - 1.15
Diglycol laurate, dms.....lb. .81 - .82
Oleate, light, bbls., c.l.....lb. .17 - —
Stearate, bbls., c.l.....lb. .23 - —
Dihydroxydichlorodiphenylmethane, dms., works of N.Y. met..lb. .95 - 1.00
smaller containers, same basis lb. 1.05 - 1.40
Di-isobutyl ketone, dms., works. lb. .19 - —
Dillseed, natural, afloat, bgs...lb. .10½- .10¾
decorticated, bgs.....lb. .14 - .14½
dewhiskered, bgs.....lb. .11 - .11½
Dimethyl phathalate, dms., c.l., dlvd..lb. .20 - —
l.c.l., dlvd.....lb. .20½- —
tanks, dlvd.....lb. .19 - —
Dimethylamine, dms., c.l., dlvd. lb. .85 - —
l.c.l., dlvd.....lb. .90 - —
Dimethylanilin, dms., c.l.....lb. .21 - —
l.c.l. .....lb. .22 - —
Dinitrobenzene, bbls.....lb. .18 - —
Dinitrochlorobenzene, dms....lb. .14 - —
Dinitronaphthalene, kgs.....lb. .35 - .38
Dinitrophenol, bbls.....lb. .22 - —
Dinitrotoluene, dms.....lb. .16 - —
oily, dms.....lb. .05 - —
Diorthotolylguanidin, dms., ton lots, dlvd..lb. .44 - —
smaller lots, dlvd.....lb. .46 - .47
Dioxan, dms., c.l., frt. alld..lb. .20 - —
l.c.l., same basis.....lb. .21 - —
tanks, same basis.....lb. .19 - —
Dip oil (see Tar acid oil).
Dipentene, destructive dist., dms., dlvd. E..gal. .70 - .71
tanks, dlvd. E.....gal. .60 - .61
steam-dist., dms., dlvd. E..gal. .71 - .75
tanks, dlvd. E.....gal. .62 - .65
Diphenyl,[6] bbls., c.l., works...lb. .15 - —
l.c.l., works.....lb. .16 - .20
Oxide, perfume grade, cns...lb. .42 - .50
dms. .....lb. .43 - .45
Diphenylamine, bbls.....lb. .32 - —
Diphenylguanidin, dms., tons..lb. .35 - —
smaller lots.....lb. .36 - .37
Divi-divi,[1,6] 42% tannin, c.i., C.S. ports, ex dock..ton.70.00 -71.00
35% tannin, c.i., same basis.. ton.68.00 -69.00
Doggrass root, dom., cut, bls.lb. .30 - .35
imp., NF, cut, bls.....lb. .48 - .50
Dogwood, Jamaica, bark, bls..lb. .12 - .14
Dover's powder, USP, cns....lb. No stocks
Dragon's blood, drops, cs.....lb. .55 - .60
reeds, cs.....lb. No stocks
Dyes, coaltar (certified colors for foods, drugs and cosmetics), 5-lb. lots—
Blue, FD&C, No. 1, cns.....lb.12.00 - —
Green, FD&C, No. 1 cns....lb.13.00 - —
No. 2, cns.....lb.17.00 - —
No. 3, cns.....lb.27.00 - —
Orange, FD&C, No. 1, cns..lb. 2.80 - —
No. 2, cns.....lb. 3.55 - —
Red, FD&C, No. 1, cns.....lb. 5.75 - —
No. 2, cns.....lb. 3.05 - —
No. 3, cns.....lb.17.00 - —
No. 4, cns.....lb. 5.50 - —
No. 32, cns.....lb. 4.05 - —
Yellow, FD&C, No. 1 cns...lb. 8.00 - —
No. 3, cns.....lb. 2.55 - —
No. 4, cns.....lb. 2.55 - —
No. 5, cns.....lb. 3.05 - —
No. 6, cns.....lb. 3.05 - —
Dyes, coaltar (certified colors for drugs and cosmetics), 1-lb. lots—
Black, D&C, No. 1, cns.....lb. 8.35 - —
Blue, D&C, No. 4, cns.....lb.12.35 - —
Brown, D&C, No. 1, cns....lb.12.35 - —
Green, D&C, No. 5, cns....lb.12.35 - —
No. 6, cns.....lb.12.35 - —
Orange, D&C, No. 5, cns....lb. 8.35 - —
No. 4, cns.....lb.15.35 - —
No. 10, cns.....lb.15.95 - —
Red, D&C, No. 8, cns.....lb. 2.85 - —
No. 17, cns.....lb. 8.35 - —
No. 18, cns.....lb.15.35 - —
Yellow, D&C, No. 7, cns....lb. 8.35 - —
No. 8, cns.....lb. 8.35 - —
No. 11, cns.....lb.10.35 - —
No. 19, cns.....lb.15.35 - —
No. 22, cns.....lb. 8.35 - —
No. 35, cns.....lb.12.35 - —
No. 37, cns.....lb.12.35 - —
Dyes, coaltar (certified colors for external use drugs and cosmetics), 1-lb. lots—
Blue, Ext. D&C, No. 1, cns..lb.12.35 - —
Green, Ext., D&C, No. 1, cns. lb.12.35 - —
Red, Ext. D&C, No. 1, cns..lb.10.35 - —
No. 3, cns.....lb.21.85 - —
No. 8, cns.....lb. 7.85 - —
No. 10, cns.....lb.12.35 - —
No. 12, cns.....lb.12.85 - —
Yellow, Ext. D&C, No. 1, cns. lb. 8.35 - —
Dyes, coaltar, for general uses (numbers are those of Colour Index scale)—
86 Chrome yellow, 2G...lb. .65 - .70
40 Chrome yellow R.....lb. .80 - 1.00
58 Victoria violet.....lb. .80 - 1.00
165 Lake red C.....lb. .70 - .80
170 Fast red A.....lb. .56 - .58
180 Fast red VR.....lb. 1.50 - 1.60
189 Lake red R, paste..lb. .85 - .90
189 Lake red R, powd...lb. 3.00 - 3.10
202 Chrome blue black U.lb. .38 - .42
204 Chrome black A.....lb. .42 - .45
208 Fast red blue R.....lb. .75 - 2.00
216 Chrome red B.....lb. 1.75 - 2.00
262 Cloth red 2B.....lb. .90 - .95
289 Fast cyanin 5R.....lb. .90 - 1.00
299 Chrome black F.....lb. .85 - .88
304 Paper yellow .....lb. .82 - .90
307 Fast cyanin black B.lb. .80 - .85
326 Direct fast scarlet...lb. 2.00 - 2.25
365 Chyrophenin G.....lb. .68 - .70
382 Direct scarlet B.....lb. 1.15 - 1.20
387 Direct violet B.....lb. 1.00 - 1.30
394 Direct violet N.....lb. .80 - .95
401 Developed black BHN, lb. .45 - .60
406 Direct blue 2B.....lb. .66 - .70
415 Direct orange B.....lb. .60 - .70
419 Direct fast red F....lb. .70 - .73
420 Direct brown M.....lb. .55 - .57
446 Benzo purpurin 4B...lb. .65 - .68
Dyes, coaltar, for general uses (numbers are those of Colour Index scale)—
496 Benzo purpurin 10B..lb. .40 - .50
lb. .55 - .60
502 Direct azurin G.....lb. .75 - .80
513 Direct blue RD.....lb. .80 - 1.00
518 Direct pure blue 3B..lb. 1.20 - 1.30
530 Direct pure blue.....lb. .80 - 1.00
539 Direct fast black FF.lb. .55 - 1.00
561 Direct black EW.....lb. .50 - .54
562 Direct black RX.....lb. .35 - .45
592 Direct green B.....lb. .50 - .55
594 Direct green G.....lb. .50 - .55
596 Direct brown 3GO...lb. .85 - 1.00
620 Direct yellow R.....lb. 1.25 - 1.50
696 Acid violet .....lb. 1.00 - 3.00
812 Primulin .....lb. .70 - .73
814 Direct fast yellow....lb. 2.00 - 2.25
845 Nigrosin (water soluble). lb. .35 - .50
1177 Indigo, 20%, paste....lb. .15 - .16
Benzo fast black L..lb. .90 - 1.00
Sulphur black .....lb. .20 - .25
Sulphur blue .....lb. .45 - 1.00
Sulphur brown.....lb. .25 - .30
Sulphur maroon ....lb. .40 - —
Sulphur tan .....lb. .20 - .30
Sulphur olive .....lb. .25 - .54
Sulphur yellow ....lb. .30 - .50
Zambesi black.....lb. .75 - .80
Dyes, coaltar, for stains, oil-soluble (prices E. in barrels of 250 lbs. each; 25 lbs. lots and up, 3c. per lb. higher, sellers' works or warehouse).
Black—
865 Nigrosin derivatives ...lb. .38 - .44
Blue—
7075 Alizarin astral base...lb.15.00 - —
1078 Alizarin cyanin, green base..lb. 6.00 - —
Brown—
Brown .....lb. 1.15 - —
Green—
1078 Alizarin cyanin green.lb. 5.00 - —
Green .....lb. .75 - —
Orange—
24 Sudan I .....lb. .75 - —
Red shade .....lb. .75 - —
Red—
75 Sudan II .....lb. 1.05 - —
258 Sudan IV .....lb. .85 - —
680 Oil violet .....lb. .60 - —
749 Rhodamine B (oil pink). lb. 2.50 - —
1060 Anthraquinone, violet base..lb.*6.00 - —
Yellow—
15 Amidoazobenzene yellow.. lb. .90 - —
17 Amidoazotoluene yellow. lb. .75 - —
61 Yellow OB.....lb. 1.40 - 2.00
Dyes, coaltar, for stains, spirit-soluble (prices in barrels of 250 lbs. each; 25 lb. lots and up, 3c. per lb. higher, sellers' works or warehouse).
Black—
246 Naphthol blue black S.. lb. .50 - —
729 Victoria blue B.....lb. 1.85 - —
861 Indulin .....lb. .87 - —
873 Methylene gray.....lb. 1.50 - —
909 New blue P.....lb. 1.20 - —
922 Methylene blue.....lb. 1.00 - —
1054 Alizarin saphirol B....lb. 1.90 - —
1130 Indigotin IA.....lb. .85 - —
Blue—
714 Patent blue A.....lb. 1.05 - 1.10
Brown—
231 Bismarck brown G.....lb. .47 - .63
234 Resorcin brown Y.....lb. .65 - —
235 Resorcin dark brown R. lb. .66 - —
632 Bismarck brown R....lb. .47 - .63
793 Phosphin .....lb. 4.65 - —
Green—
5 Naphthol green B.....lb. 1.00 - —
657 Malachite green.....lb. 1.35 - —
662 Brilliant green.....lb. 2.00 - —
666 Guinea green B.....lb. 1.15 - —
757 Wool green S.....lb. .58 - —
924 Methylene green B....lb. 1.35 - —
1078 Alizarin cyanin green..lb. 2.00 - —
Orange—
10 Chrysoidin G.....lb. .44 - —
21 Chrysoidin R.....lb. .41 - —
27 Orange G.....lb. .50 - —
31 Amidonaphthol red G.lb. .42 - —
37 Amidonaphthol red 6B.lb. .68 - —
151 Orange Y.....lb. .31 - .33
161 Orange R.....lb. .34 - —
Red—
79 Ponceau R.....lb. .48 - —
88 Fast red B.....lb. 1.65 - —
176 Fast red A.....lb. .54 - —
179 Azorubin .....lb. .60 - —
183 Crocein scarlet 3BX....lb. .72 - .75
185 Cochineal red A.....lb. .60 - —
252 Brilliant crocein M....lb. .68 - —
677 Fuchsin .....lb. 2.10 - —
749 Rhodamine B.....lb. 3.50 - —
752 Rhodamine 6B.....lb. 4.50 - —
768 Eosin G.....lb. 1.50 - —
841 Safranin .....lb. 1.45 - —
Violet—
680 Methyl violet B.....lb. .70 - .75
681 Crystal violet B.....lb. 1.75 - —
695 Acid violet 4BN.....lb. .65 - —
Yellow—
10 Naphthol yellow S.....lb. .53 - —
138 Metanil yellow.....lb. .56 - .58
636 Fast light yellow.....lb. 1.25 - —
639 Xylene light yellow....lb. 1.15 - —
640 Tartrazin .....lb. .80 - —
655 Auramine .....lb. 1.27 - —
Dyes, coaltar, for stains, water-soluble (prices E. in barrels of 250 lbs. each; 25 lb. lots and up, 3c. per lb. higher, sellers' works or warehouse).
Black—
864 Nigrosin .....lb. .36 - .44
Blue—
860 Indulin .....lb. .60 - .70
Brown—
331 Bismarck brown.....lb. 1.50 - —
Green—
637 Malachite green base..lb. 2.00 - —
Orange—
20 Chrysoidin G.....lb. .95 - —
21 Chrysoidin R.....lb. .90 - —
Red—
677 Fuchsin, magenta, base.. lb. 7.25 - —
749 Rhodamine R.....lb. 4.75 - —
Dyes, coaltar, for stains, water-soluble (prices E. in barrels of 250 lbs. each; 25 lb. lots and up, 3c. per lb. higher, sellers' works or warehouse).
Yellow—
67 Amidoazotoulene yellow.. lb. .75 - —
655 Auramine .....lb. 2.00 - —
800 Chinolin yellow SS.....lb. 2.00 - —
Violet—
680 Methyl violet base....lb. .85 - —
Dyes, natural (see name of article).

E

Echinacea root, bls.....lb. .70 - .75
Egg,[1,7] albumen (see Albumen).
Yolk,[1,7] dried, dom., bbls....lb. 1.04 - 1.10
imported .....lb. No stocks
Elder flowers, bright, bls.....lb. .75 - .85
Elecampane root, bls.....lb. .50 - .55



OPD—7-22-1946 15

Sir Humphrey Davy Defines Potassium

THE chemical makeup of potash remained a mystery until the experiments of Sir Humphrey Davy. Attempting to decompose potash by electrolysis, Davy's first efforts succeeded in decomposing nothing but the water. Changing his plan of attack, Davy said, "The presence of water appearing to prevent any decomposition, I used potash in igneous fusion." To the new metal thus produced, "the basis of potash," Davy gave the name "Potassium."

Modern research has shown that, with the exception of lithium, potassium is the lightest known metal. Potassium fuses at 62.3° C. and boils at 760°, emitting an intensely green vapor.

For more than three-quarters of a century, every potassium compound bearing the MALLINCKRODT trade mark has been manufactured in strict conformity to MALLINCKRODT's tradition of fine chemicals. For potassium products of uniformity and dependability, **specify MALLINCKRODT Potassium Acetate, Bicarbonate, Bromide, Iodate, Iodide, Phosphate, Sulfate, Sulfite, Meta-Bisulfite, etc.**

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UNIFORM • DEPENDABLE • PURITY

Elm bark, grinding, bls.....lb. .35 - .36
powd., bbls., bxs.....lb. .53 - .58
select, bndls. .....lb. .55 - .56
Emetine hydrochloride, bots...oz.53.50 -58.00
Ephedra, bls.....lb. .28 - .30
Ephedrine, natural, USP, anhydrous, bots..oz. 1.15 - 1.65
Hydrochloride, tins .....oz. .95 - 1.45
Sulphate, tins .....oz. .95 - 1.45
synthetic, USP, anhydrous, bots..100 ozs. .65 - —
hydrous, bots, 100 oz...oz. .65 - —
Hydrochloride, tin, 100 ozs.oz. .80 - —
Sulphate, cryst., tins, 100 ozs. oz. .42 - —
Epinephrine, synth., USP, bots. gram. .70 - .95
Epsom salt, tech., cryst., bgs., c.l...100 lbs. 1.80 - 1.95
l.c.l. .....100 lbs. 2.15 - 2.40
dried, bgs.....lb. .03½- —
l.c.l., bgs.....lb. .04 - .07
USP, cryst., bgs., l.c.l.100 lbs. 2.00 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.25 - —
smaller lots.....100 lbs. 2.50 - —
bbls., c.l. .....100 lbs. 2.10 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.35 - —
smaller lots.....100 lbs. 2.60 - —
kgs., c.l. .....100 lbs. 2.35 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.60 - —
smaller lots.....100 lbs. 2.85 - —

Epsom salt prices freight equalized with Balto., Carteret, N. J.; Chicago, Cincinnati, Cleveland, Houston, New Orleans, New York.

Ergot, USP, cns.....lb. 1.65 - 1.70
Ergotine, bots.....oz. No price
Sulphate, bots.....oz.65.00 - —
Ether, acetic (see Ethyl acetate).
Amyl (see Amyl ether).
Butyl, l.c.l., dms., divd.....lb. .30 - —
Ethyl (see Ether, sulphuric).

Ether, nitrous, cons., bots., 100 lbs..lb. .98 - 1.16
Sulphuric, cons., dms.....lb. .11 - .14
USP anesthesia, hospitals, 1-lb. cns..lb. .60 - .62
Synthetic, dms., c.l., frt. alld. lb. .11 - —
l.c.l., same basis .....lb. .12 - —
tanks, same basis.....lb. .09 - —
Ethyl acetate, natural, fermentation, 85-88%, dms., c.l., frt. alld..lb. .1275- —
l.c.l., frt. alld.....lb. .1325- —
tanks, frt. alld.....lb. .1175- —
95-98%, dms., c.l., frt. alld. lb. .13 - .1325
l.c.l., frt. alld.....lb. .1350- .1500
tanks, frt. alld.....lb. .12 - .1250
99%, dms., c.l., frt. alld.lb. .13 - .1345
l.c.l., frt. alld.....lb. .1350- .1500
tanks, frt. alld.....lb. .12 - .1245
synthetic, 85-90%, dms., c.l., frt. alld..lb. .09½- —
l.c.l., frt. alld.....lb. .10 - —
tanks, frt. alld.....lb. .08½- —
95-98%, dms., c.l., frt. alld. lb. .09¾- —
l.c.l., frt. alld.....lb. .10¼- —
tanks, frt. alld.....lb. .09¾- —
N.F., dms.....lb. .14½- .15¾
Acetoacetate, dms., c.l., works. lb. .27½- —
l.c.l. frt. alld.....lb. .28 - —
Benzoate, bots.....lb. .50 - .55
Bromide, tech., dms.....lb. .50 - .55
Carbamate, dms., dvid. E...lb. .58 - —
Chloride, tech., dms.....lb. .18 - .20
USP, bbls., cyl.....lb. .20 - .22
Cinnamate, cns. .....lb. 2.65 - 2.60
Formate, dms., Agnue, Calif., lb. .26 - .28
Iodide, bots.....lb. 2.80 - 2.90
Lactate, dms., works.....lb. .32½- .33¾
Myristate, dms., works.....lb. .55 - —

Ethyl oenanthate, dms.....lb. 1.10 - 1.15
Oleate, dms., l.c.l., works..lb. .47 - —
Oxalate, dms., frt. alld.....lb. .33 - —
Silicate, dist. (see Tetraethyl orthosilicate).
40% available SiO_2, dms., works..lb. .50 - —
Ethylcellulose, pkgs., 5,000 lbs. or more, works..lb. .50 - —
smaller lots, works.....lb. .53 - .60
Ethyldiethanolamine, dms., l.c.l., works..lb. .80 - —
Ethylene, dichloride, dms., c.l., works, frt. alld. E. of Rockies, frt. alld..lb. .0942- —
West of Rockies..lb. .0891- —
l.c.l., works, frt. alld. E. of Rockies..lb. .0891- —
West of Rockies..lb. .0941- —
tanks, frt. alld. E. of Rockies, lb. .0742- —
West of Rockies..lb. .0792- —
Trichloride (see Trichlorethane).
Ethyleneglycol, dms., c.l., frt alld. in E... .10 - —
l.c.l., same basis.....lb. .11 - —
tanks, same basis.....lb. .09 - —
Monobutylether, dms., c.l., wks. lb. .17½- —
l.c.l., works .....lb. .18½- —
tanks, works .....lb. .16½- —
Monoethylether, dms., c.l., wks. lb. .15½- —
l.c.l., works .....lb. .16½- —
tanks, works .....lb. .14½- —
Monoethylether acetate, dms., c.l., works..lb. .13½- —
l.c.l., works .....lb. .14½- —
tanks, works .....lb. .12½- —
Monobutylether, dms., c.l., wks. lb. .16½- —
l.c.l., works .....lb. .17½- —
tanks, works .....lb. .15½- —
Ethylethanolamine, dms., c.l., wks. lb. .57 - —
l.c.l., works .....lb. .60 - —

Ethylmonoethanolamine, l.c.l., dms., works..lb. .80 - —
Ethylmorphine, hydrochloride, bots...oz.10.50 -10.75
Ethylvanillin,[1] cns., 5 lbs. or more..lb. 5.25 - —
smaller lots .....lb. 5.30 - 5.40
Eucalyptol, cns., dms.....lb. 2.85 - 2.95
Eucalyptus leaves, bls.....lb. .14 - .15
Eugenol, cns., dms.....lb. 2.65 - 2.95
Euphorbia, bls.....lb. .13 - .14

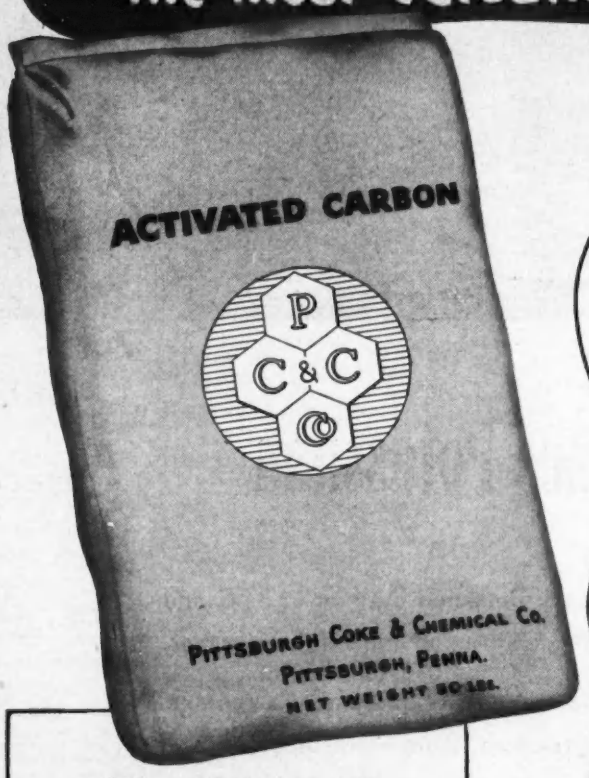
F

Feldspar,[1] enamel, 100 mesh, ton.17.00 -20.00
bulk, c.l. .....ton.14.00 -17.50
glass, 30 mesh, bgs., works, min. 2 tons..ton.13.75 -16.25
bulk, c.l. .....ton. 8.75 -13.25
pottery, bgs., l.c.l., works, min. 2 tons..ton.20.00 -22.00
bulk, c.l., works.....ton.17.00 -19.00
Fennel seed, Argentine, bgs., futures..lb. .18 - .18½
Indian, bgs., futures.....lb. .20 - .20½
Fenugreek, domestic, futures, bgs. lb. .08½- .09
Indian, bgs., futures.....lb. .09 - .09½
Morocco, bgs. .....lb. .08¾- .09¼
Ferric sulphate (see Iron sulphate, ferric).
Film scrap, colored, cs., works.lb. .13½- .15
water-white, cs., works.....lb. .14½- .17
Fir balsam, Canada, cns....gal.19.00 -19.50
Oregon, bbls. .....gal. 2.25 - 2.40
Fishberries, bgs. .....lb. .24 - .28
Fishliver oils (see Oil, fishliver).
Fishmeal,[1,7] grd., 60% protein, bgs., E. works..ton. Nominal
65% protein, bgs., E. works. ton. Nominal
Fishscrap,[7] dried, 60% protein, bulk, East coast..ton.100.00 -125.00
Flake white, bbls.....lb. .09 - —
kegs .....lb. .11 - —
Fleaseed, black, bgs.....lb. .60 - .62
Blonde, bgs. .....lb. .23 - .25
Fluorspar,[1] No. 1, ground, 95-98% CaF_2 bulk, c.l., mines, net ton.37,000- —
washed, gravel, 70% or more CaF_2, c.l., bulk, mines, ton.33.000 - —
65% c.l., bulk, mines....ton.32.00 - —
60%, c.l., bulk, mines....ton.31.00 - —
less than 60%, c.l., bulk, mines..ton.30.00 - —
Formaldehyde,[1] bbls., c.l., works, lb. .0520- —
l.c.l., works .....lb. .0570- —
dms., extra, c.l., works.....lb. .0465- —
l.c.l., works .....lb. .0510- —
tanks, works. .....lb. .0320- —
tanktrucks, divd., N.Y.C....lb. .0345- —
Fringetree bark, bls.....lb. .55 - .58
Fuller's earth,[1] dom., powd., bgs., c.l., Fla., Ga. mines, ton. 8.50 -15.00
Tex. mines .....ton.12.50 - —
spent, bulk, Bayonne...ton. 8.00 - —
imp., bgs., c.l.....ton.30.00 -40.00
Furfural, ref., dms., c.l. works. lb. .15½- —
cns., dms., l.c.l., works....lb. .18½- .25½
tech., dms., c.l., works.....lb. .13 - —
l.c.l., cns., dms.....lb. .15½- .20½
tanks, works .....lb. .09½- —
Fusel oil, crude, dms., works.gal. .75 - —
refd., dms., divd.....lb. 18½- .19½
Fustic extract, cryst., No. 1. bbls., l.c.l..lb. .35 - —
No. 1A, bbls., l.c.l.....lb. .34 - —
No. 2, bbls., l.c.l.....lb. .33 - —
No. 3, bbls., l.c.l.....lb. .31 - —
liquid, No. 0, bbls., l.c.l....lb. .19 - —
No. 1, bbls., l.c.l.....lb. .17½- —
No. 2, bbls., l.c.l.....lb. .16½- —
No. 3, bbls., l.c.l.....lb. .14 - —
solid, No. 1, bxs., l.c.l....lb. .20¾- —

G

G salt, bbls. .....lb. .45 - —
Galangal root, bls.....lb. .24 - .25
Gambier, cube, Singapore, cs..lb. No stocks
Extract, bbls.....lb. No stocks
Gammapicoline, 95%, dms., c.l., works..lb. 1.35 - —
Gasoline,[1] at refinery, ex tax, Arkansas, 73-75 octane, tanks, gal. .05¾- —
Bayonne, 74 octane, tanks, gal. .0690- —
Gulf Coast, 73-75 octane, tanks..gal. .0570- .0625
Group 3, 73-75 octane, tanks, gal. .04¾- .05¼
Pennsylvania, western, US motor, 74 octane, leaded, tanks..gal. .06¾- .07¼
natural, 26/70 octane, Group 3, tanks..gal. .02¾- —
Gelatin, silver label, ctns., divd. lb. .90 - .97
export, cs. .....lb. 1.00 - —
Silver label prices 5c. higher for deliveries in Ariz., Calif., Colo., Idaho, Mont., Nev., N. Mex., Ore., Tex., Utah, Wash. and Wyo.
Geloenium root, bls.....lb. .40 - .45
Gentian root, bls.....lb. .29 - .30
grd., bbls., bxs.....lb. .35 - .36
powd., bbls., bxs.....lb. .34 - .35
Geraniol, 92-96%, cns., dms....lb. No prices
Geranyl acetate, cns.....lb. No prices
Ginger, African, No. 1, bls...lb. .15 - .15½
Calicut, Romeo-type, bgs....lb. .16½- .17
Cochin, bleached, bgs.....lb. .16 - .16½
unbleached, bgs. .....lb. .15¼- .15¾
Jamaica, No. 1, bgs.....lb. .23 - .23½
No. 2, bgs.....lb. .16½- .17
No. 3, bgs.....lb. .14¾- .15¼
Rhattoon, bgs. .....lb. .14½- .15
Glauber's salt, anhyd. (see Soda sulphate).
cryst., bgs., bbls., works, 100 lbs. 1.05 - 1.45
Glue, bone, calcium type, 24 millipoise, 36 jellygrams, bgs., c.l., East of Midwest. lb. .16 - .22
30/36, bgs., c.l., same basis..lb. .15½- .22½
58/82, bgs., c.l., same basis. lb. .17 - .24
82/108, bgs., c.l., same basis. lb. .18½- .25½
Bone glue, l.c.l. prices 1c. higher than c.l.
Hide,[1] 100-121 (jelly test in grams), bgs., c.l., divd..lb. .14 - .21½
122-149, bgs., c.l., divd.....lb. .15 - .22½
150-177, bgs., c.l., divd.....lb. .16 - .23½
178-206, bgs., c.l., divd.....lb. .17 - .24½
207-236, bgs., c.l., divd.....lb. .18 - .25½
237-266, bgs., c.l., divd.....lb. .19 - .26½
267-298, bgs., c.l., divd.....lb. .20 - .27½
299-330, bgs., c.l., divd.....lb. .21 - .28½
331-362, bgs., c.l., divd.....lb. .22 - .29½
363-394, bgs., c.l., divd.....lb. .23 - .30½
395-427, bgs., c.l., divd.....lb. .24 - .31½
428-460, bgs., c.l., divd.....lb. .25 - .32½
461-494, bgs., c.l., divd.....lb. .26 - .33½
495-529, bgs., c.l., divd.....lb. .27 - .34½
Hide glue l.c.l., prices 1c higher than c.l.; bbls., ½c., over bgs.

The most Versatile Adsorbent...



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Recovers
Deodorizes
Decolorizes
Fractionates
Purifies
Catalyzes

in Gas or Liquid Phase

More adaptable adsorptive qualities and physical characteristics make *Pittsburgh* Activated Carbon the most versatile adsorbent known. New uses are being added constantly to the already imposing list of dividend paying industrial applications.

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Pittsburgh Coke & Chemical Company is one of the leading manufacturers of Activated Carbon and was the largest single supplier of this adsorbent for the Chemical Warfare Service. Now concentrating on the development of Activated Carbon for the many commercial uses in both gas and liquid phases, the experience of our technical staff is at your service.

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also

Neville Coke · Emerald Coal · Pig Iron · Green Bag Cements · Concrete Pipe · Sterling Old Range Iron Ore · Limestone Products

Inquiries Invited

P C&C ©

Chemical Sales Division

Pittsburgh Coke & Chemical Company

Grant Building Pittsburgh, Pennsylvania

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FMC

MIDSUMMER BULLETIN

MODERN LATE MODEL CHEMICAL — FOOD and PROCESSING EQUIPMENT

Immediate Shipment

ACCUMULATORS
1 Complete Watson Stillman Installation with two 10 H.P. Boilers—high and low pumps, etc.
1 Accumulator alone—8 ton, high and low pressure.

AUTOCLAVES
4 Horizontal Autoclaves—double door 5' x 11' with 2 roll-in trucks.
4 Vertical Jacketed Autoclaves 4' x 6'.
3 Forged—Welded Autoclaves 300 PSI 6' x 21'.
1 Blaw Knox 125 Gal. Welded Steel Autoclave 3' x 3' Jacketed and Agitated.
1 Devine Autoclave or Impregnator, Jacketed 31" x 36".
1 Seamless Steel Autoclave 1200 PSI 29" x 9' agitated.
1 Blaw Knox Autoclave 30" x 60", Bolted cover—1000 PSI.

CALENDARS
1 Farrell Birmingham 4 Roll Unit, 10" x 26"—with 15/30 H.P., AC Motor.
1 F-B 3 Roll Calendar 14" x 32" with 25 H.P. motor.
1 F-B 3 Roll Calendar 18" x 48".

CENTRIFUGALS
1 Tolhurst 40" Stainless Steel Basket Centrifugal Extractor with 25 H.P. motor.
1 Tolhurst 40" with Bronze Basket with 10 H.P.
1 Bird 40" Suspended Type Extractor with 2 Speed, 25 H.P. motor.
4 Troy, American, Tolhurst Laundry Type Centrifugal Extractors, 20" to 30" —Bronze and Iron Baskets.
1 Sharples No. 6 Centrifuge tinned contact parts—clarifier type.

COLLOID MILLS
3 Premier Colloid Mills from 3 to 40 H.P. motors.
2 Chemi-Colloid Mills 3 and 10 H.P.
3 U. S. Horizontal Colloid Mills—1½ to 15 H.P. double motored units.
4 Eppenbach Colloid Mills ½ to 5 H.P.
1 Bartlett & Snow No. 1 Triple Action Colloid Mill—7½ H.P.

COLUMNS
1 Copper Alcohol Distillation Unit, 36" Diameter—23' high—bubble cap, Sectional type.
1 Steel Alcohol Concentrating Column 62" Diameter having 24 sections 14" high—cap. 400 gal. 190 proof.
1 Steel Fractionating or Bubble Cap Column—30" Diameter x 32' high.

COMPRESSION BELTS OR SEALERS
4 Standard Knapp Units, 10' and 20'.

CONDENSERS
1 Copper Single Pass Condenser 18" x 8' long with 1¼" Copper Tinned Tubes—105 sq. ft.
1 Devine Iron Surface Condenser 8" x 57" with receiving tank.
1 Aluminum Condenser 9'6" long having 64 tubes ¾"—or 150 sq. ft.
2 Surface Condensers or Heat Exchangers—each unit has 5256 tubes—1"— and 17' long 2800 sq. ft.
1 Surface Condenser having 1100 tubes ¾" x 18' long.

DICERS
2 Sterling Model 1 D Dicers with extra sets of dies; B.D.
1 Anderson Dicer complete with motor and dies.

DRYERS
2 Buffalo Double Door Vacuum Shelf Dryers, 20 shelves, size 60" x 160" with Vacuum Pump and Condenser.
1 Ross 4 Pass Continuous Conveyor Dryer, 60' long, with accessories.
2 Proctor & Schwartz 80 Tray Dryers, 34" x 7' x 6'10".
1 Black & Clawson Double Drum Dryer, 28" x 60" with accessories.
3 Double Drum Atmospheric Dryers, 27½" x 63".
1 Devine Double Bronze Drum Dryer, 3' x 9', with 25 H.P. motor.
1 Buffalo Single Drum Chrome plated Dryer, 5' x 6' with auxiliaries.
1 Buffalo Double Drum Dryer, 32" x 72".
1 Buffalo 5' x 12' Rotary Drum Dryer.
2 Vacuum Drum Dryers, 48" x 40" (1 iron, other bronze, chromed).
1 Buffalo Vacuum Drum Dryer, 5' x 20'.
1 Rotary Vacuum Dryer, 3' x 18' with auxiliaries.
2 Galland & Henning Steam Tube Dryers, 6' x 30'.
1 Gehnrich Gas Dryer 41" x 58" x 30½"
2 Stokes Laboratory Size Vacuum Shelf Dryers.

EVAPORATORS
1 Swenson Single Effect Aluminum Evaporator 3'2" x 5'6" with 200 Aluminum tubes ⅞" x 4'—with Vacuum Pump and Aluminum receiver.
2 Lillie Evaporators 5' x 10' all Copper with 140 - 3" copper tubes.
1 Buffalo Single Effect Stainless Steel Evaporator, rapid circulating type with pump and condenser.

STOKES and COLTON TABLET MACHINES Single Punch and Rotary

2 BUFLOVAK VACUUM SHELF DRYERS 20 Shelf—60" x 160" with Accessories

1 National Engineering SIMPSON INTENSIVE MIXER with 6' Pan Arr. for Motor Drive

8 Copper 300 Gal. Steam Jacketed KETTLES

STAINLESS STEEL JACKETED KETTLES IN STOCK!

WANTED

YOUR SURPLUS EQUIPMENT

—

SEND US YOUR LIST

FILLERS (DRY POWDERS)
1 Stokes & Smith Model G1 Universal Semi-Automatic.
1 Triangle Model SN Auger type, Semi-Automatic.
1 National Packaging F2 Free Flowing Filler.
2 National Packaging Two Station, Automatic Auger Fillers.
3 Scott Scales and Hoepner Weigh Type Fillers.
1 Triangle Elec-Tri-Pack Filler, Free Flowing 3 oz. to 3 lbs.
8 Day, Spout-Waldron, Jeffrey and Howe, Sack and Barrel Packers.

FILTERS
1 Shriver 18" Wood Pl. & Fr. Filter Press.
1 Shriver Cast Iron 24" Pl. & Frame, Filter Press with pump and motor.
1 Shriver 30" C.I. Pl. & Fr. Filter Press.
1 Industrial all Iron Rotary Filter Drum 6' x 3'.
2 Oliver Filters 5' x 6'—Steel construction.

HEAT EXCHANGERS
1 Griscomb-Russel 7 Pass Stainless Steel Heat Exchanger. (See Condensers)

KETTLES
75 Jacketed Kettles in stock, Stainless, Copper, Iron, etc., up to 1000 g capacity.

LABELERS
6 Semi-Automatic Bottle Labelers—World, Ermold, National.
2 Burt & Standard Knapp Can Labelers.
1 Week's Straight Line Automatic Duplex Front & Back Labeler.

MILLS (Roller)
2 Kent 16" x 40"—Three Roll Mills.
1 Houchin—Aiken 20" x 48"—Three Roll Mill.
1 Lehman 5 Roll Water Cooled Mill, 20" x 48"—arranged for M.D.
1 J. H. Day 3 Roll Water Cooled Mill 9" x 33"—B.D.
1 Lehman 4 Roll Water Cooled Mill, 12¾" x 32"—arranged for M.D.
1 Buhler 5 Roll Water Cooled Mill, 13¾" x 31½"—V belt drive to 20 H motor.

MILLS (Ball & Tube)
4 Hardinge Conical; 5' x 22"; 6' x 48";—(2)—8' x 30".
1 Abbe Ball Mill, 40" x 58"—arranged for M.D.
3 Stearns Rogers Tube Mills, 5' x 22'.
3 Allis Chalmers 7' x 24' Tube Mills.
1 Allis Chalmers 6' x 22' Tube Mill.

MILLS (General)
2 Raymond No. 45 Imp Mills complete with accessories.
3 Raymond No. 00 and No. 0000 Mills.
2 Raymond No. 1 Mills—P.D.
1 Stedman Cage Mill arranged for (2) 75 H.P. motors (not included).

MIXERS (Heavy Duty—Semi-Solids)
3 Simpson Intensive Mixers, 6'; 4' and 18".
4 W. & P. Jacketed Mixers, 2 gal., 9 gal. and 20 gal.
1 P. & J. Jacketed Hor. Mixer 34" x 40" x 50", double elliptical arr requires 2 motors.
1 Abbe Double Z Arm Mixer—137 Gal. Cap.—with 7½ H.P. motor.

STILLS
12 Vacuum Stills in Copper, Steel, Aluminum—Jacketed—Coiled—all
1 Glass Lined 3000 Gal.—Sectional Still.
3 Bubble Cap Stills (see Columns).
1 Copper Gin Still 300 gal. 5' dia.
1 Buflovac Nitric Still 80 Bbl. capacity.—96" x 108" with oil burner.
1 New Stainless Barnstead Stills, No. SS 100.
9 Other Water Stills—gas or steam operated in all capacities.

TABLET MACHINES
75 Stokes & Colton, Single Punch and Rotary Tablet Presses for pract every requirement.

MISCELLANEOUS
1 Fitzpatrick Stainless Steel Comminuting Machine Model D.
1 Renneburg 5 ton Screw Press with Dryer (Oil Burner), 50 H.P. motor accessories.
1 Bartlett Snow Horizontal Digester 6' x 18' with ¾" steel shell.
1 Dopp 1500 lb. Crutcher; 42" x 40".
3 Crystallizers or Vacuum Drying Pans 5' and 7'6" Dia. complete accessories.
2 Allis-Chalmers Rotary Coolers 8' x 83' arranged for M.D.
2 Heavy Copper Tanks, Horizontal 4'4" x 12' dished heads.

FIRST MACHINERY CORP. 157 HUDSON STREET, NEW YORK 13, N. Y.

Now! New FMC EQUIPMENT

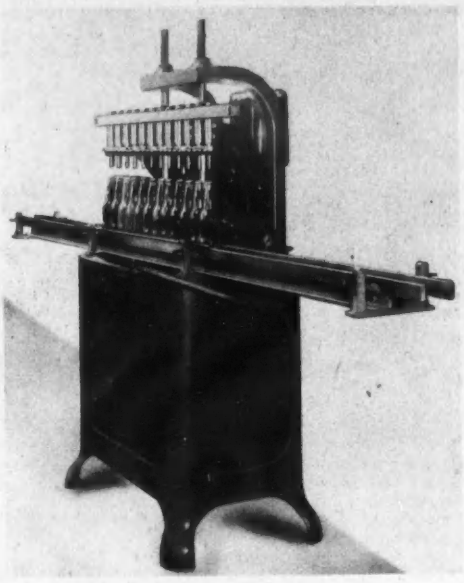
Reasonably Prompt Shipments

Improving conditions as to materials and labor enable us to offer much faster shipments on the FMC line of New Equipment. Quotations on request.

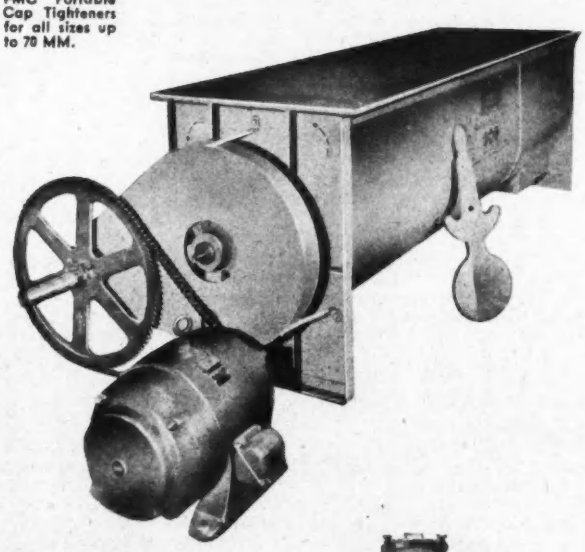
FMC SYPHON FILLERS, rotary or straight line operation; hundreds now in use all over the world; will fill up to gallons.

FMC Portable agitators, high speed or geared head motors; shafts and props. in sizes desired.

FMC Portable Cap Tighteners for all sizes up to 70 MM.

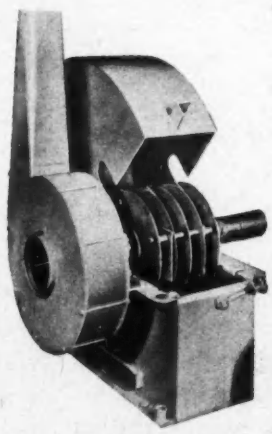


FMC VACUUM FILLER in Stainless or Bronze plated; will fill containers up to Gallons, any finish opening; highly adjustable; one operator 40-50 per minute.

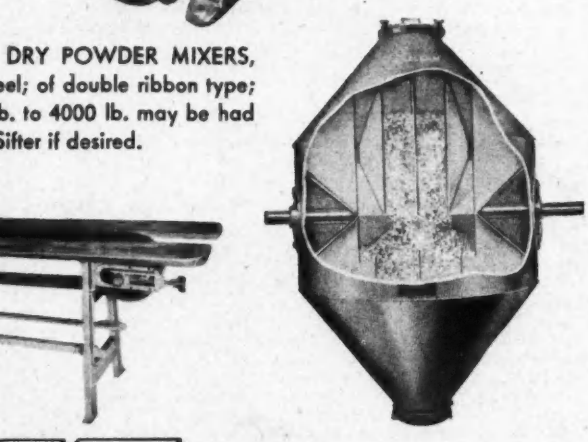


FMC TUMBLING BATCH MIXERS from 1 cu. ft. to 60 cu. ft.; furnished complete with frame and drive and motor if desired.

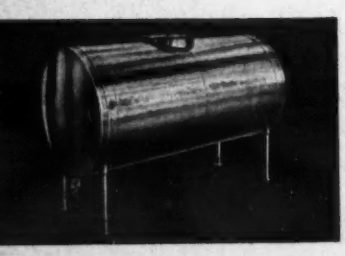
STAINLESS STEEL EQUIPMENT



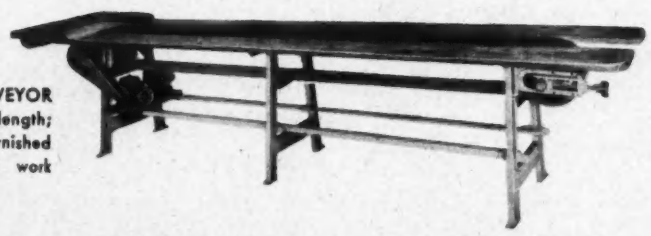
FMC PULVERIZER, or Hammer Mill or Granulator; swinging hammers with screen regulation of mesh; tremendous capacity; two sizes available.



FMC DRY POWDER MIXERS, all steel; of double ribbon type; 400 lb. to 4000 lb. may be had with Sifter if desired.



MC STAINLESS STEEL KETLES, TANKS and VACUUM ANS; a complete line for every urpose; jacketed for steam, wa- or unjacketed; all standard es; agitators if desired.



FMC BELT CONVEYOR in any width or length; variable speed; furnished with or without work boards.

FMC FIRST MACHINERY CORP.

157 HUDSON ST., NEW YORK 13, N. Y.

Glycerin, crude, saponification,
88%, to refiners, tanks..lb. .13¾ Nom.
soaplye, 80%, tanks.....lb. .12½ Nom.
dynamite, dms., c.l.....lb. .20½- —
l.c.l. .....lb. .21 - —
tanks .....lb. .20½- —
high gravity, dms., c.l.....lb. .20½- —
l.c.l. .....lb. .21 - —
tanks .....lb. .20¼- —
refined, B.P., 98%, dms., c.l.lb. .21¾- —
tanks .....lb. .21½- —
USP, 95%, dms., c.l.....lb. .21¾- —
tanks .....lb. .21 - —
yellow, distilled, dms., c.l...lb. .20⅝- —
tanks .....lb. .20¼- —
Glycine, USP (see Acid, aminoacetic).
Glycol borborate, dms.....lb. .22 - —
Stearate, dms.....lb. .26 - —
Gold chlorides, acid-brown, bots.
oz.20.75 -21.00
acid-yellow, bots.....oz.18.75 -19.00
Gold-soda chloride, photo., bots..
oz.13.00 - —
USP IX, bots.....oz.14.50 -14.75
Goldenseal root, bls.....lb. 8.75 - 9.00
powd., bxs.....lb. 9.25 - 9.50
Gold of pleasure seed, bgs....lb. No stocks
Grains of paradise, bgs.....lb. .37 - .38
Graphite,[1] dom., crystalline, 80% through 50 mesh, graphitic carbon content 65-70%, bgs., whse..lb. .04½- —
70-75%, bgs., same basis.
lb. .05 - —
75-80%, bgs., same basis.
lb. .05½- —
80-85%, bgs., same basis.
lb. .06 - —
85-90%, bgs., same basis.
lb. .07 - —
90% and up, same basis.
lb. .08 - —
Grease, house,[7] loose.....lb. .12½- —
White, choice, loose.....lb. .13½- —
Wool (see Adeps lanae and Degras).
Green, brilliant,[1] thioflavin toner, molybdic, kegs., works..lb. 3.25 - —
tungstic, kgs., works.....lb. 3.75 - —
Chrome,[1] CP, dark, light, medium, blue content up to 5%, bbls., dlvd. N. of Tenn. and N.C., E. of Miss. River, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. .24 - —
6-10%, bbls., same basis,
lb. .25 - —
11-15%, bbls., same basis,
lb. .26 - —
16-20%, bbls., same basis,
lb. .26½- —
21-25%, bbls., same basis,
lb. .27 - —
26-30%, bbls., same basis,
lb. .27½- —
31-35%, bbls., same basis,
lb. .28½- —
36-40%, bbls., same basis,
lb. .29½- —
41-45%, bbls., same basis.
lb. .31 - —
46-50%, bbls., same basis,
lb. .32½- —
50% and over, bbls., same basis..lb. .33½- —
reduced color, 5%, bbls., same basis..lb. .00¾- —
9-10%, bbls., same basis.lb. .07½- —
11-13%, bbls., same basis.lb. .08 - —
14-16%, bbls., same basis.lb. .08¼- —
17-19%, bbls., same basis.lb. .08½- —
20-21%, bbls., same basis.lb. .08¾- —
22-23%, bbls., same basis.lb. .09 - —
24-25%, bbls., same basis.lb. .09¼- —
26-27%, bbls., same basis.lb. .09½- —
28-29%, bbls., same basis.lb. .10 - —
30-31%, bbls., same basis.
lb. .10 - —
30-31%, bbls., same basis.lb. .10¼- —
32-33%, bbls., same basis.lb. .13 - —
34-35%, bbls., same basis.lb. .13 - —
36-40%, bbls., same basis.lb. .14 - —
41-45%, bbls., same basis.lb. .17 - —
46-50%, bbls., same basis.lb. .17½- —
51-55%, bbls., same basis.lb. .18 - —
56-60%, bbls., same basis.lb. .18½- —
61-65%, bbls., same basis.lb. .19 - —
70%, bbls., same basis..lb. .20 - —
70%, bbls., same basis....lb. .20 - —

Chrome green prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1½c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City and Wichita, prices are equalized with Chicago.

Chrome oxide, pure, dms., works..lb. .24 - —
Malachite, thioflavin toner, molybdic, bbls., works..lb. 3.00 - —
tungstic, bbls., works....lb. 3.50 - —
Phthalocyanin.[1] tetrahydroxide (hydrated chromium oxide), bbls., works..lb. .85 - —
toner, bbls., works.....lb. 4.00 - 6.00
Paris (see P).
Tungstated, brilliant, kgs...lb. 3.00 - —
emerald, kgs. .....lb. 2.60 - —
Verdigris (see V).
Green dyes (see Dyes, coaltar).
Grindelia robusta, bls.....lb. .21 - .23
Guaiac, resin, cs.....lb. .32 - .34
Wood, bls. .....lb. .35 - .36
Guaiacol, cryst., N.F., tins...lb. 1.60 - 1.65
Liquid, N.F., bots., cbys....lb. 1.60 - 1.84
Carbonate, dms. .....lb. 2.40 - 2.45
Guarana, powd., cs.....lb. 2.00 - 2.10
Gum accroides (see Gum, yacca).
Aloe (see A).
Ammoniac, tears, cs.....lb. .90 - .95
Arabic, amber, sorts, bgs...lb. 14¼- .14¾
white, sorts, 1, bgs.....lb. .28 - .29
Asafetida (see A).
Asphaltum (see A).
Benzoin, artificial, cns.....lb. 1.75 - 2.55
Camphor (see C).
Copal, Congo (former dollar-and-cent ceilings revoked Feb. 2. New ceiling prices are to be based on prices to be paid by importers in the Belgian Congo plus landed costs, as determined by a formula under the new import regulations).
East India (former dollar-and-cents ceilings on all other copals revoked May 21. New ceiling prices are to be figured on same basis as Congo).
Manila, No. 1, hard, bold.. amber, light, bskts, c.l., whse..lb. .25 - —
Dammar (former dollar-and-cent ceiling on Batavia and Singapore revoked May 21. New ceiling prices are to be figured on same basis as copals).
Elemi (former dollar-and-cent ceilings on elemi revoked May 21. New ceiling prices to be figured on same basis as copals).
Ester,[1] gum-resin type, dms., c.l., dlvd., Ill., Ind., Ky., Mich., Mid-Atl States, N. England States, Minneapolis, N. C., Ohio, St. Louis, St. Paul, Va., W. Va..lb. .1300- —

Gum, ester, gum-rosin type, dms., l.c.l., dlvd., Ill., etc.....lb. .1325- —
other points, same basis.
lb. .1400- —
wood-rosin type (formerly designated as "ordinary"), dms., c.l., dlvd. Ill., Ind., etc..lb. .1050- .1075
Euphorbium, cs.....lb. 1.50 Nom.
Galbanum, cs..... .....lb. 1.00 - 1.05
Gamboge, pipes, cs.....lb. No stocks
powd., bbls... .....lb. No stocks
Ghatti, bgs.....lb. No stocks
Guaiac (see Guaiac resin).
Karaya, bbls., bxs., dms....lb. .21 - .50
Kauri (former dollar-and-cent ceilings revoked May 21. New ceiling prices are to be based on prices to be figured on same basis as copals).
Locust bean, powd., bbls....lb. .50 - .60
Mastic, cs.....lb. 3.50 Nom.
Myrrh, cs.....lb. .46 - .50
Olibanum, siftings, cs.....lb. .12 - .13
tears, cs. .....lb. .38 - .45
Opium (see O).
Red (see Gum, yacca).
Rosin (see R).
Sandarac (former dollar-and-cent ceiling prices revoked May 21. New ceiling prices are to be figured on same basis as copals).
Scammony, cs.....lb. 1.30 - 1.35
Talha, bgs. .....lb. .10 - .11
Tragacanth, No. 1, cs.....lb. 5.00 - 5.25
No. 2, cs.....lb. 3.65 - 3.90
No. 3, cs.....lb. 3.20 - 3.45
Yacca (former dollar-and-cent ceiling prices revoked May 21. New ceiling prices to be figured on same basis as copals).

Gypsum, Keene's cement, paper bgs., c.l., Acme, Tex., frt. equald..ton.22.65 - —
Harlem River, N. Y., frt. equald..ton.28.25 - —
Medicine Lodge, Kan., frt. equald..ton.17.00 - —
New Brighton, N. Y., frt. equald..ton.30.65 - —
Southard, Okla., frt. equald..ton.17.00 - —
Sweetwater, Tex., frt. equald..ton.21.45 - —
Plaster of Paris, paper bgs., c.l., Acme, Texas, frt. equald..ton.12.50 - —
Blue Rapids, Kan., frt. equald..ton.10.50 - —
Harlem River, N. Y., frt. equald..ton.12.00 - —
Medicine Lodge, Kan., frt. equald..ton.12.50 - —
New Brighton, N. Y., frt. equald..ton.13.00 - —
Southard, Okla., frt. equald..ton.12.50 - —
Sweetwater, Tex., frt. equald..ton.12 50 - —
Stucco, paper bgs., c.l., Acme, Texas; Akron, N. Y., Blue Rapids, Kan.; Clarence Center, N. Y.; Fort Dodge, Ia.; Grand Rapids, Mich.; Gypsum, Ohio; Harlem River, N.Y.; National City, Mich.; New Brighton, N. Y.; Plasterco, Ga.; Portsmouth, N. H.; Roton, Tex.; Southard, Okla.; Sweetwater, Tex.; frt. equald..ton. 8.00 - —
Saltville, Va., frt. equald, ton. 9.00 - —

Gypsum, terra alba, paper bgs, c.l., Harlem river, N. Y., works..ton.15.90 - —
New Brighton, N. Y., same basis..ton.14.40 - —

H

Hawthorn berries, bgs.....lb. .57 - .66
Heliotropin, cryst., cns.....lb. 2.95 - 4.00
Hellebore, white, powd., bbls..lb. .46 - .47
Helonias root, bls.....lb. 2.25 - 2.30
Hematine extract, cryst., No. 6, bbls., l.c.l..lb. .41 - —
No. 1, bbls., l.c.l.....lb. .40 - —
No. 1A, bbls., l.c.l.....lb. .37 - —
No. 2, bbls., l.c.l.....lb. .36 - —
No. 3, bbls., l.c.l.....lb. .34 - —
No. 4, bbls., l.c.l.....lb. .32 - —
No. 5, bbls., l.c.l. .....lb. .30 - —
paste, No. 1, bbls., l.c.l.....lb. .17½- —
No. 2 bbls., l.c.l.....lb. .16½- —
No. 3, bbls., l.c.l.....lb. .15½- —
red, No. 4, bbls., l.c.l.....lb. .14½- —
Hemlock bark extract,[1,6] 25% tan. bbls., c.l., works..lb. No stocks
tanks, works.....lb. No stocks
Henbane leaves, bls.....lb. 1.00 - 1.25
Henna leaves, bls.....lb. .25 - .29
powd., bbls., bxs.....lb. .28 - .31
Heptane,[1] industrial grade, 50°-100° C., dms., c.l., Group 3, gal. .12¾- —
l.c.l., Group 3.....gal. .19 - —
tanks, Group 3.....gal. .10¾- —
77°-115° C., dms., c.l., Group 3..gal. .13 - —
l.c.l., Group 3.....gal. .19 - —
tanks, Group 3.....gal. .10¾- —
laboratory grade, dms., c.l., Group 3..gal. .16 - —
l.c.l., Group 3.....gal. .20 - .55

Now available for immediate shipment in tank cars and drums

DIISOBUTYLENE

SPECIFICATIONS

Distillation Range	100-103° C
Acidity (as H_2SO_4)	max., .004% W
Color	water-white
Odor	sweet

Shell Chemical Diisobutylene consists of approximately 80% 2, 4, 4-Trimethyl-l-pentene and 20% 2, 4, 4-Trimethyl-2-pentene . . . is essentially free of extraneous hydrocarbons. A carefully controlled manufacturing process assures uniform high quality.

Write or wire Shell Chemical Corporation for quotation and sample.

SHELL CHEMICAL CORPORATION

100 BUSH STREET, SAN FRANCISCO 6

500 FIFTH AVENUE, NEW YORK 18

LOS ANGELES • HOUSTON • ST. LOUIS • CHICAGO • CLEVELAND

Hexalin (see cyclohexanol).
Hexamethylenetetramine,[1] tech., bbls., 1,000-lb. lots, Perth Amboy or N.Y.C. .lb. .34 - —
smaller lots, same basis..lb. .35 - —
USP, dms., 500 lbs. or more, same basis..lb. .35 - —
smaller lots, same basis..lb. .36 - —
Hexane,[1] 60°-70° C., industrial grades, dms., c.l., Group 3. gal. .13½- —
l.c.l., Group 3.....gal. .19 - —
tanks, Group 3.....gal. .10½- .11
laboratory grade, dms., c.l., Group 3..gal. .16 - —
l.c.l., Group 3.....gal. .29 - .55
Hexanol, normal, dms., l.c.l., works..lb. .25 - —
Hematropine hydrobromide, bots. oz.15.00 -25.00
Hoofmeal, 17-18% ammonia, bulk, c.l., Chicago..unit-ton. 6.50 - —
Hops, NF, bls.....lb. .56 - 1.50
Horehound, bls.....lb. .10½- .12
Hydrangea root, bls.....lb. .22 - .28
Hydrastine, alkaloid, bots....oz.20.00 -22.00
Hydrochloride, bots.....oz.20.00 -22.00
Sulphate, bots.....oz.29.00 -32.00
Hydrastinine, 10-gr, bots....bot. 1.95 - —
Hydrastis (see Goldenseal).
Hydrofuramide, dms., fib. cns., works..lb. .36 - .40
Hydrogen peroxide, USP, bbls. lb. .03¾- .04
100 vols., cbys., E. of Miss. River or West coast via Panama Canal..lb. .15½- .16½
Hydroquinone, bbls., dms.....lb. .90 - .94
Hydroxycitronellal, cns.....lb. No prices
dms., extra, ret'able, dlvd...lb. No prices
Hyoscine hydrobromide, bots..oz.39.00 -45.00
Hyoscyamine, bots.....oz.18.00 -20.00
Hydrobromide, bots.....oz.18.00 -19.50
Sulphate, bots.....oz.14.00 -19.50
Hypernic extract, cryst., No. 1, bbls., l.c.l..lb. .42 - —
No. 2, bbls., l.c.l.....lb. .24 - —
liquid, No. 1, bbls., l.c.l..lb. .24 - —
No. 2, bbls., l.c.l.....lb. .19 - —
solid, No. 1, bxs., l.c.l.....lb. .30 - —
Hyssop, bgs.....lb. .75 - 1.00
leaves, bgs.....lb. .74 - .75

I

Iceland moss, bgs.....lb. .80 - .82
Ichthammol, NF, bots.....lb. 2.45 - —
Indian red (see Red, Indian).
Indigo, nat., chests.....lb. 2.14 - 2.30
synth., paste, bots.....lb. .16½- .19
powd., bbls.....lb. .74½- .85
Indol, CP, bots.....lb.19.00 -22.00
Insect flowers (see Pyrethrum).
Iodine, crude, 25-lb. jars.....lb. 1.67 - —
150-lb. kgs.....lb. 1.26¾- —
resubl., 5-lb. bots., jars.....lb. 1.75 - 1.85
Iodoform, 100-lb. dms., kgs....lb. 5.95 - 6.10
25-lb. jars or fib. dms.....lb. 4.20 - —
Ionone, ketone, bot.....lb. 6.00 - 9.50
Methyl, bot.....lb. 6.25 -12.00
Ipecac root, bgs.....lb. No prices
powd., bgs.....lb. No prices
Irish moss, ordinary, bls.....lb. .20 - .21
powd., 60-80 mesh, bbls..lb. .28 - .30
prime, bleached, bls.....lb. .28 - .30
powd., 60-80 mesh, bbls..lb. .35 - .36
Iron acetate, liquor, bbls., c.l., dlvd..lb. .17 - —
l.c.l., dlvd.....lb. .18 - —
solut., USP IX, 100-lb. cbys.lb. .17 - —
50-lb. djns.....lb. .18 - —
Chloride (ferric), anhydr., tech., dms., c.l., works..100 lbs. 4.90 - 5.25
l.c.l., works.....100 lbs. 6.50 - 6.65
cryst., tech., bbls., works, frt. alld..100 lbs. 4.00 - 6.00
USP X, lump, bbls.....lb .07 - .08½
Iron chloride, solut., 42 Be, cbys., works, frt. alld. or equald. lb. .05½- .06
djns., same basis.....lb. .10 - —
Citrate, USP VIII, gran., dms., lb. .70 - .75
powd., cns.....lb. .94 - .97
Glycerophosphate, bbls.....lb. 2.40 - 2.52
Hypophosphite, bbls., dms...lb. 1.50 - 1.85
Iodide, bots.....lb. 3.18 - 3.22
Naphthenate, 6% Fe, 50-gal. dms..lb. .18 - —
Nitrate, red., tech., dms....lb. .08½- .04
Oxalate, gran., dms.....lb. .32 - .35
powd., cns.....lb. .52 - —
kgs.....lb. .47 - .49
Phosphate, soluble, NF, gran., cns..lb. .54 - .57
Pyrophosphate, gran., cns....lb. .59 - .62
Reduced, 90%, kgs.....lb. .65 - .75
Resinate, 7.4% Fe, 100-lb. dms. lb. .17¾- —
Sulphate (ferric), anhyd., bgs., c.l., works..ton.35.00 - —
l.c.l., works.....ton.40.00 - —
(ferrous) tech. (see Copperas).
USP, cryst., bbls., dms...lb. .05½- .11
Tallate, 4% Fe, 50-gal. dms..lb. .10¼- —
Iron-ammonia citrate, brown, green, gran., pearls, dms.lb. .32 - .35
scale, dms.....lb. .49 - .53
Oxalate, bbls.....lb. .22½- —
dms., kgs.....lb. .25½- .26¼
Iron-soda oxalate, bbls., dms..lb. .23½- .26¼
Isobornyl acetate, cns., works.lb. .80 - .95
Isobornyl thiocyanoacetate, dms., c.l., works..gal. 4.35 - —
l.c.l., works.....gal. 4.45 - 4.55
tanks, works.....gal. 4.25 - —
Isobutyl acetate, dms., works.lb. No prices
Propionate, dms., works.....lb. No prices
Isoeugenol, cns., works.....lb. 3.75 - 4.25
Isopentane, dms., works.....lb. .45 - .55
Isophorone, dms., c.l., works..lb. .21 - —
l.c.l., works.....lb. .25 - —
tanks, works.....lb. .20 - —
Isopropanol (see Alcohol, isopropyl).
Isopropyl acetate, dms., c.l., E. of Rockies, frt. alld..lb. .11 - —
l.c.l. E. of Rockies, same basis..lb. .11½- .13
tanks, E. of Rockies, same basis..lb. .10 - —
Alcohol (see Alcohol, isopropyl).
Ether, dms., c.l., dlvd.....lb. .05 - —
l.c.l. .....lb. .06½- —
tanks, dlvd.....lb. .04½- —
Isopropylamine, dms., works..lb. .25 - —

J

Jaborandi leaves, bls.....lb. .30 - .31
Jalap root, NF, bls.....lb. .37 - .52
powd., bbls., bxs.....lb. .42 - .55
Resin, lump, cns.....lb. 5.85 - —
powd., bxs.....lb. 5.90 - —
Juniper berries, dom., bgs....lb. .30 - .50
Juniper tar, USP, dms.....lb. .75 - 1.00

K

Kamala, powd., cns.....lb. .51 - .52
Kaolin (see China clay).
Kava kava root, bls.....lb. .28 - .30
Kerosene, at refinery: Ars., 42-44 w.w., tanks..gal. .05 - —
Bayonne, 41-43 w.w., tanks..gal. .061 - —
California, 40-43 w.w., tanks, gal. .07 - —
Gulf ports, 41-43 w.w., tanks, gal. .04½- .05
Okla-Tex., 41-43 w.w., tanks, gal. .04875- —
Penn., 43 w.w., tanks....gal. .0655- .0705
47 w.w., tanks.....gal. .0705- —
Kola nuts, bgs.....lb. .10 - .11
Kyanite,[1] imp., low iron content, 10-mesh, whse..ton.85.00 -95.00
calcined, grain, 10-mesh, whse. ton.95.00 -105.00

L

Ladyslipper root, bls.....lb. 1.35 - 1.40
Lanolin (see Adeps lanae).
Lard,[1,7] pure, ref., tierces, c.l..lb. 10475- —
prime steam, tierces, c.l.....lb. .1475- —
Larkspur seed, bgs.....lb. .30 - .32
Laurel berries, bls.....lb. .25 - .28
Leaves, Cyprus, bls.....lb. .18½- .19
Greek, bls.....lb. .19 - .20
Portuguese, fair, bls.....lb. .13¼- .13¾
good, bls.....lb. .12¾- .13½
Turkish, bls.....lb. .17½- .18
Lavender flowers, medium, bls.lb. .60 - .65
ordinary, bls.....lb. .25 - .42
select, bls.....lb. .65 - .70
Lead, acetate,[1] white, broken, bbls..lb. .12½- —
cryst., bbls.....lb. .12½- —
gran., powd., bbls.....lb. .13½- —
Arsenate,[1,6] basic powder, 3-lb. bgs. or larger, c.l..lb. .11½- .13
l.c.l. .....lb. .13 - .13½
1-lb. ctns., c.l.....lb. .16½- .23½
l.c.l. .....lb. .19 - .23
standard paste, cns., c.l...lb. .05¾- .06
l.c.l. .....lb. .06 - .06¾
powder, 3-lb. bgs. or larger, c.l..lb. .11 - .11½
1-lb. bgs., c.l.....lb. .16 - .20
l.c.l. .....lb. .16½- .20½
1-lb. ctns., c.l.....lb. .18 - .22
l.c.l. .....lb. .18½- .22½
¼-lb. ctns., c.l.....lb. .21 - .25
l.c.l. .....lb. .21½- .25½

Inside column is maximum OPA prices for manufacturers or distributors; outside column for all other purchasers. Lead arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck allowance for works or whse. pick-ups.

Blue, basic sulphate, bbls., c.l., 20-ton lots, dlvd. E..lb. .10¼- —
dlvd. Ariz., Cal., Col., Idaho, Mont., Nev., N. M. Ore., Utah, Wash., Wyo..lb. .10½- —
l.c.l., dlvd. E.....lb. .10½- —
dlvd. Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo..lb. .10¾- —
Carbonate (see Lead, white).
Chloride, fib. dms.....lb. .42 - —
Iodide, NF V, bots.....lb. 2.60 - —
jars.....lb. 2.69 - —
Linoleate, pale, precip., bbls.lb. .22½- —
Metal,[1,9] (see Protective Coatings Materials market).
Metallic paste, dms., works..lb. No stocks
Naphthenate, 24%-30% Pb..lb. .14½- .15½
Nitrate, bbls.....lb. .13½- —
Oleate, bbls.....lb. .17¾- —
Peroxide, powd., tech., bbls.lb. .23 - .25
Red, 95% Pb_3O_4, or less, bbls., c.l. (20 tons), dlvd. Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts., in Ore. and Wash....lb. .12½- —
other points.....lb. .12 - —
l.c.l., 5 tons, dlvd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. Cascade Mts. in Ore. and Wash..lb. .12¾- —
Ariz., Idaho, Nev., Utah, and E. of Cascade Mts. in Ore. and Wash..lb. .13¼- —
Colo., Mont., N. Mex., Wyo..lb. .13 - —
other points.....lb. .12½- —
smaller lots, Ala., etc.lb. .13¾- —
Ariz., etc.....lb. .13¾- —
Colo., etc.....lb. .13¼- —
other points.....lb. .13½- —
in oil, kgs.....lb. .16¾- —
97% Pb_3O_4, bbls., c.l., dlvd. etc..lb. .12½- —
other points.....lb. .12¾- —
l.c.l., 5 tons, dlvd. Ala., etc. lb. .13 - —
Ariz., etc.....lb. .13½- —
Colo., etc.....lb. .13½- —
other points.....lb. .11¾- —
smaller lots, dlvd. Ala., etc. lb. .13¾- —
Ariz., etc.....lb. .14 - —
Colo., etc.....lb. .14¼- —
other points.....lb. .13 - —
96% Pb_3O_4, bbls., c.l., (20 tons), dlvd., Ala., etc. lb. .12¾- —
other points.....lb. .12½- —
l.c.l., 5 tons, dlvd. Ala., etc..lb. .13¼- —
Ariz., etc.....lb. .13¾- —
Colo., etc.....lb. .13½- —
other points.....lb. .13 - —

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Lead, red, 98% Pb_3O_4, bbls., l.c.l., smaller lots, dlvd. Ala., etc.	lb.	.13½-	—
Ariz., etc.	lb.	.14¼-	—
Colo., etc.	lb.	.14 -	—
other points.	lb.	.13½-	—
Resinate, precip., 23.9% Pb dms.	lb.	.17½-	—
Silicate, bgs.	lb.	.0780 -	.0780
Soyate, 20.15% Pb., dms.	lb.	.22¼-	—
Stearate, bbls.	lb.	.34½-	.35½
Sulphate (see Lead, blue; Lead, white, basic sulphate).			
Tallate, 10% Pb, dms.	lb.	.08½-	—
Titanate, bgs., bbls., c.l., l.c.l., 5 tons, one delivery, E., frt. alld.	lb.	.11¼-	—
Pac. Cst., ex whse.	lb.	.11½-	—
smaller lots, E. frt. alld.	lb.	.11½-	—
Pac Cst., ex whse.	lb.	.11¾-	—
White, basic carbonate, bbls., c.l., dlvd. Ariz., Calif., Colo., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash., and Wyo.	lb.	.11¼-	—
dlvd. other points.	lb.	.11 -	—
l.c.l., dlvd. Ariz., etc.	lb.	.11½-	—
other points.	lb.	.11¼-	—
basic sulphate, bbls., c.l., dlvd. Ariz., etc.	lb.	.10 -	—
other points.	lb.	.09¾-	—
l.c.l., dlvd. Ariz., etc.	lb.	.10¼-	—
other points.	lb.	.10 -	—
in oil, consumers, kgs.	lb.	.16¼-	—
painters, kgs.	lb.	.15¼-	—
Lecithin, edible, dms., c.l.	lb.	.28¼-	—
l.c.l.	lb.	.30¼-	.46
in cocoa butter, dms., c.l.	lb.	.39½-	—
l.c.l.	lb.	.40¾-	.59
tech., dms., c.l.	lb.	.25¼-	—
l.c.l.	lb.	.26½-	.46
vegetable, pure, bots, 100 lbs.	lb.	2.75 -	—
Lemon peel, bls.	lb.	.35 -	.40
Licorice extract, mass, cns.	lb.	.40 -	.42
powd., bbls.	lb.	.60 -	.62
Root, Indian, bls.	lb.	.12 -	.14
powder, bbls.	lb.	.18 -	.20
Russian, bls.	lb.	.12 -	.13
Spanish, bls.	lb.	.12 -	.12
Turkish, bls.	lb.	.12 -	.15
Lignin extract, tanning grade, bgs., c.l., works.	lb.	.04 -	—
Lime, chemical (quicklime), lump, pebble, Adams, Mass.	ton.	8.00	—
Annville, Pa.	ton.	7.50	—
Bellefonte, Pa.	ton.	7.50	—
Berkeley, W. Va.	ton.	7.50	—
Buffalo, N. Y.	ton.	9.25	—
Carey, Ohio.	ton.	7.00	—
Cedar Hollow, Pa.	ton.	8.50	—
Crab Orchard, Tenn.	ton.	6.00	—
Eagle Mountain, Va.	ton.	7.25	—
Farnams, Mass.	ton.	8.00	—
Gibsonburg, Ohio.	ton.	7.50	—
Hannibal, Mo.	ton.	6.50	—
Keystone, Ala.	ton.	6.90	—
Knoxville, Tenn.	ton.	6.90	—
Limedale, Ark.	ton.	7.00	—
Longview, Ala.	ton.	6.90	—
Manistique, Mich.	ton.	8.00	—
Marblehead, Ohio.	ton.	7.50	—
Martinsburg, W. Va.	ton.	7.50	—
Menominee, Mich.	ton.	8.00	—
Mitchell, Ind.	ton.	6.50	—
Newala, Ala.	ton.	6.90	—
Ripplemead, Va.	ton.	7.25	—
Riverton, Va.	ton.	7.25	—
Rockland, Maine.	ton.	8.00	—
Scioto, Ohio.	ton.	6.50	—
Sherwood, Texas.	ton.	6.25	—
Sherwood, Wisc.	ton.	6.50	—
Springfield, Mo.	ton.	7.00	—
Woodville, Ohio.	ton.	7.25	—
York, Pa.	ton.	7.50	—
Hydrated, Adams, Mass.	ton.	9.00	—
Annville, Pa.	ton.	9.00	—
Bellefonte, Pa.	ton.	9.00	—
Berkeley, W. Va.	ton.	9.00	—
Buffalo, N. Y.	ton.	9.50	—
Carey, Ohio.	ton.	8.50	—
Cedar Hollow, Pa.	ton.	10.00	—
Crab Orchard, Tenn.	ton.	9.05	—
Eagle Mountain, Va.	ton.	9.15	—
Farnams, Mass.	ton.	9.00	—
Gibsonburg, Ohio.	ton.	8.50	—
Hannibal, Mo.	ton.	8.50	—
Keystone, Ala.	ton.	10.05	—
Knoxville, Tenn.	ton.	9.05	—
LeRoy, Minn.	ton.	10.00	—
Limedale, Ark.	ton.	9.00	—
Limedale, Ark.	ton.	9.00	—
Longview, Ala.	ton.	9.05	—
Manistique, Mich.	ton.	9.50	—
Marblehead, Ohio.	ton.	9.50	—
Martinsburg, W. Va.	ton.	9.00	—
Menominee, Mich.	ton.		
Mitchell, Ind.	ton.	9.00	—
Newala, Ala.	ton.	9.05	—
Petoskey, Mich.	ton.	9.00	—
Port Island, Mich.	ton.	9.00	—
Rapid City, S. Dak.	ton.	12.00	—
Ripplemead, Va.	ton.	9.15	—
Rockland, Maine.	ton.	9.00	—
Scioto, Ohio.	ton.	8.00	—
Sherwood, Tenn.	ton.	10.05	—
Sherwood, Wisc.	ton.	10.00	—
Springfield, Mo.	ton.	9.00	—
Woodville, Ohio.	ton.	8.50	—
York, Pa.	ton.	9.00	—
Spray, paper bgs., Adams, Mass.	ton.	10.00	—
Annville, Pa.	ton.	10.00	—
Bellefonte, Pa.	ton.	10.00	—
Carey, Ohio.	ton.	11.00	—
Farnams, Mass.	ton.	10.50	—
Gibsonburg, Ohio.	ton.	10.00	—
Marblehead, Ohio.	ton.	10.00	—
Rockland, Maine.	ton.	10.00	—
Scioto, Ohio.	ton.	10.00	—
Woodville, Ohio.	ton.	10.00	—
York, Pa.	ton.	10.00	—
Lime salts (see Calcium).			
Lime-ammonia-nitrogen[6] 20.5% N. (see Ammonia nitrate-limestone).			
Linalool, cns.	lb.	7.50 -	7.75
Linalyl acetate, ex bois de rose, bots.	lb.	3.50 -	—
ex lignaloe wood, bots.	lb.	7.75 -	8.40
ex petitgrain, bots.	lb.	3.90 -	4.10
Linden flowers with leaves, bls.	lb.	.60 -	.65
Linseed meal,[7] 34%, bulk, c.l.	ton.	85.00 -	—
Litharge, com'l, powd., bbls., c.l. dlvd. Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah., Wyo. and E. of Cascade Mts. in Ore. and Wash.	lb.	.14½-	—
other points.	lb.	.14¾-	—
l.c.l., 5 tons, dlvd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. of Cascade Mts. in Ore. and Wash.	lb.	.15 -	—
Ariz., Idaho, Nev., Utah, and E. of Cascade Mts. in Ore. and Wash.	lb.	.15¼-	—
Colo., Mont., N. Mex., Wyo.	lb.	.15 -	—
other points.	lb.	.14¾-	—
Litharge, com'l, pwd., bbls., l.c.l., smaller lots, dlvd. Ala., etc.	lb.	.15¼-	—
Ariz., etc.	lb.	.16 -	—
Colo., etc.	lb.	.15¼-	—
other points.	lb.	.13½-	—
Lithium bromide, bbls., 100-lb. lots, works, frt. equald.	lb.	1.90 -	—
smaller lots, works	lb.	1.92 -	1.95
Carbonate, NF, bbls., kgs.	lb.	1.25 -	1.30
Chloride, jars	lb.	1.68 -	1.70
Citrate, bbls., dms., kgs.	lb.	1.40 -	1.41
Fluoride, bbls.	lb.	2.45 -	2.60
Hydroxide, jars	lb.	1.85 -	1.90
Iodide, bots.	lb.	5.20 -	—
jars	lb.	5.05 -	—
Stearate, fib. dms., works.	lb.	.53½-	—
Lithopone,[1] ordinary, bgs., c.l. (20 tons)	lb.	.04¼-	—
l.c.l.	lb.	.04½-	—
bbls., c.l.	lb.	.04¾-	—
l.c.l.	lb.	.04¾-	—
titanated (high-strength), bgs., c.l.	lb.	.0560-	—
smaller lots.	lb.	.0585-	—
bbls., c.l.	lb.	.0585-	—
smaller lots.	lb.	.0610-	—
Lithopone, c.l., dlvd. Pac. Cst., ½c. higher; l.c.l., ex whse. Pac. Cst., ½c. higher.			
Liverwort leaves, bls.	lb.	.65 -	.70
Lobelia herb, bls.	lb.	1.10 -	1.15
Lobeline sulphate, bots., wks.	oz.	25.50 -	33.00
Logwood extract, crystals, No. 1, bbls., l.c.l.	lb.	.24 -	—
No. 2, bbls., l.c.l.	lb.	.22 -	—
liquid, No. 1, bbls., c.l.	lb.	.17 -	—
No. 2, bbls., l.c.l.	lb.	.16 -	—
No. 3, bbls., l.c.l.	lb.	.15¼-	—
No. 4, bbls., l.c.l.	lb.	.15 -	—
Logwood extract, solid, No. 1, bgs., l.c.l.	lb.	.28 -	—
No. 2, bxs., l.c.l.	lb.	.26 -	—
bbls., c.l., Zone 1	lb.	.00½-	—
No. 4, bxs., l.c.l.	lb.	.23 -	—
No. 5, bgs., l.c.l.	lb.	.23¼-	—
No. 5, bxs., l.c.l.	lb.	.21½-	—
No. 6, bxs., l.c.l.	lb.	.20½-	.44½
Lovage root, American (ligusticum actea folium), bls.	lb.	1.20 -	1.30
Lupulin, NF, tin	lb.	13.75 -	13.00
Lycopodium, USP, cs.	lb.	2.50 -	3.00

M

Mace,[7] Amboyna, cs.	lb.	.77	Nom.
Banda, cs.	lb.	1.10	Nom.
West Indian, bgs.	lb.	.62	Nom.
No. 1, bgs.	lb.	1.00	Nom.
broken, bgs.	lb.	.55	Nom.
Madder, Dutch, bbls.	lb.	.24 -	.30
Magnesia arsenate,[1] dms.	lb.	.153 -	.19
Calcined, tech., USP, bbls., works.	lb.	.26 -	—
Carbonate, tech., bgs., c.l., l.c.l., Zone 1.	lb.	.07¼-	—
bbls., c.l., Zone 1.	lb.	.07½-	—
l.c.l., Zone 1,	lb.	.08½-	—
kgs., c.l., Zone 1.	lb.	.08¾-	—
l.c.l., Zone 1.	lb.	.09¾-	—
USP, bgs., c.l., Zone 1.	lb.	.06 -	—
l.c.l., Zone 1.	lb.	.09 -	—
bbls., c.l., Zone 1.	lb.	.06½-	—
l.c.l., Zone 1.	lb.	.09¾-	—
kgs., c.l., Zone 1.	lb.	.09¼-	—
l.c.l., Zone 1.	lb.	.10¾-	—

Magnesia carbonate prices, basis Phillipsburg, N. J., and Plymouth Meeting, Valley Forge, Pa.; l.c.l. prices ¼c. lower, Zone 2, store delivery; store door delivery, both zones, Zone 1—Conn., Del., D. C., Md., Mass., N. J., N. Y., Pa., and R. I.; Zone 2, remainder of U. S.

Magnesia chloride, anhyd., bbls., dlvd.	lb.	.12¾-	—
flake, bbls., c.l., works.	ton.	82.00	—
l.c.l., works.	ton.	89.00	-42.00
Fluoride, bbls.	lb.	.20 -	.25
Hydroxide, medicinal, bbls., dms., kgs.	lb.	.20 -	.30
Hypophosphite, cns.	lb.	1.45 -	—
Laurate, bbls.	lb.	.25 -	.35
Oxide (see Magnesia, calcined).			
Peroxide, 15%, dms., works.	lb.	1.00 -	1.25
Phosphate, tribasic, USP, bbls.	lb.	.60 -	—
Silicate (see Talc).			
Silicofluoride, bbls.	lb.	.08 -	.50
Stearate, ctns.	lb.	.34½-	.35¼
Sulphate (see Epsom salt).			
Trisilicate, dms., 1,000-lb. contracts.	lb.	.37 -	—
smaller lots.	lb.	.42 -	—
Magnesite, cal., powd., bgs., c.l., mines, Calif.	ton.	88.75 -	—
dead-burnt,[1] bulk, c.l., Chelwelsh, Wash.	ton.	32.50 -	33.00
Maleic anhydride, dms., c.l.	lb.	.25 -	—
l.c.l.	lb.	.30 -	—
Malva flowers, black, bls.	lb.	No stocks	
blue, bls.	lb.	1.50 -	1.60
Leaves, bls.	lb.	.40 -	.41
Manaca root, bls.	lb.	.50 -	.51
Mandrake root, bls.	lb.	.33 -	.34

For reliable protection against destroying organisms, the lumber and woodworking industries—like many other enterprises—have found true effectiveness in Dowicide.

When saws transform trees into lumber, wood destruction starts. It can be prevented by Dowicide 7 (Dow Pentachlorphenol), a tested preservative that forestalls damage by mold, decay and termites.

Pentachlorphenol is only very slightly soluble in water and its volatility is extremely low. Hence it affords protection that lasts. And it is highly toxic to practically all fungi, bacteria and other microorganisms. Yet wood treated with pentachlorphenol is clean and paintable, nonbleeding, easily handled.

Dow is prepared to supply pentachlorphenol in quantity and counsel you on its use. Try pentachlorphenol for wood preservation—try Dowicides to halt destruction by organisms in any industry.

DOWICIDE
germicides and fungicides

control termites mold and bacteria

DOWICIDES IN THE PAINT INDUSTRY

Dowicides are noted for their application in fighting mold in the paint industry. Mold attacks nearly all kinds of paint. Dowicides, added during manufacturing processes, result in paint that stays mold-free under all conditions.

THE DOW CHEMICAL COMPANY • MIDLAND, MICHIGAN
New York • Boston • Philadelphia • Washington • Cleveland • Detroit • Chicago
St. Louis • Houston • San Francisco • Los Angeles • Seattle

DOW
CHEMICALS INDISPENSABLE TO INDUSTRY AND AGRICULTURE

Manganese acetate, dms.....lb. .25½- —
Arsenate,[6] bgs.....lb. .12 - .12½
Borate, tech., bbls.....lb. .16 - .18
Carbonate, bbls.....lb. .19 - —
Chloride, anhyd., bbls., wks..lb. .14 - .16
Dioxide, African, battery, 84%-87%, bbls., 25-40 tons, works..ton.74.00 - —
smaller lots, works..ton.77.00 -83.00
Caucasian, 85-90%, bbls., c.l., works..ton.74.00 - —
smaller lots, works..ton.77.00 -83.00
burlap bgs., c.l., works, ton.71.75 - —
l.c.l., works.....ton.74.75 -79.75
paper bgs., c.l., works..ton.70.00 - —
l.c.l., works.....ton.73.00 - —
Glycerophosphate, nb. dms., 1,000-lb. lots..lb. 3.05 - —
100-lb. lots.....lb. 3.15 - —
cns., 25 lbs.....lb. 3.27 - —
Hydrate, bbls., dlvd.....lb. .26 - —
Iodide, bots.....lb. 5.70 - —
jars .....lb. 5.85 - —
Linoleate, liquid, 4%, dms..lb. .20 - —
solid, precip., 6.2%, bbls..lb. .22 - —
Naphthenate, 6% Mn, dms..gal. .16 - —
Resinate, fused, 8½%, bbls..lb. .09 - .16½
precip., dms.....lb. .14½- .16½
Soyate, 8.2% Mn, dms.....lb. .22 - —
Sulphate, anhyd., dms., works. lb. No stocks
feed grade, 77-80%, bgs....lb. .04 - .06
fertilizer grade, 66%, bgs., c.l., dlvd. East..ton.59.50 - —
l.c.l., same basis, or Balto. or Cincinnati...ton.66.50 - —
industrial grade, 80%, bgs..lb. .05 - .05½
Tallate, 4%, Mn, dms.....lb. .09 - —
Mangrove bark,[1,5] E. Africa, 28% tannin, c.l., ex dock, U. S. ports..ton.22.00 -60.00
Manna, flake, large, cs.....lb. No stocks
small, cs.....lb. No stocks
Mannitol,[6] com'l, bbls., works.lb. .35 - .40
reagent, cs. or multiples, works..lb. .35 - —
Marjoram, Argentine, bls.....lb. .14 Nom.
California, French type, new crop, bls., Pacific Coast..lb. .25 - .26
Chilean, bls.....lb. .09½- .10
Matico leaves, bls.....lb. .22 - .29
Menadione, USP, bots., works. gram. .10 - —
Menthol, natural, USP, cns...lb. 8.25 - 8.50
synthetic, tech, cns.....lb. No prices
USP, laevo, cns.....lb. No prices
racemic, cns.....lb. 6.10 - 6.20
Menthyl salicylate, tins.....lb. 3.00 - 3.10
Mercurial ointment, USP, mild, 10%, tubs..lb. .70 - .72
30%, pails.....lb. 1.30 - —
50%, pails.....lb. 1.88 - 1.90
Mercury bichromate (see Corrosive sublimate).
Bisulphate, dms.....lb. 2.59 - 2.61
Chloride (see Calomel).
Cyanide, cryst., powd.....lb. 3.86 - —
Iodide, red, NF, dms., kgs..lb. 4.50 - —
yellow, nb. dms., kgs....lb. 4.35 - —
Nitrate ointment (see Citrine ointment).
Oxide, red, NF (see Red precipitate).
yellow, USP, nb. dms.....lb. 2.94 - 2.96
tech. (see Yellow, mercury oxide).
Mercury and chalk, dms.....lb. 1.66 - 1.76
Mesityl oxide, dms., c.l., dlvd..lb. .11½- —
l.c.l., dlvd.....lb. .12 - —
tanks, dlvd.....lb. .10½- —
Metal leaf, composition, 5½x5½ in..pkg. No stocks
Gold X+, deep, 23, 3⅜x3⅜ in., pkg. No stocks
Silver, 3⅜x3⅜ in.....pkg. No stocks
Metanitroparatoluidin, bbls....lb. 1.05 - 1.10
Metaphenylenediamine, kgs....lb. .65 - —
Metatoluylenediamine, kgs.....lb. .70 - —
Methanol,[2] natural, all grades, dms., c.l., E. of Miss. R. gal. .63 - —
l.c.l., same basis.....gal. .73 - —
tanks, same basis.....gal. .60 - —

Inside prices on natural methanol W. of Miss. R., 3c. higher.

synth., dms., c.l., Zone 1, frt. alld..gal. .31 - —
2, frt. alld. or dlvd....gal. .34 - —
3, frt. alld.....gal. .35 - —
4, frt. alld.....gal. .36 - —
l.c.l., Zone 1, frt. alld. or dlvd..gal. .36 - —
2, frt. alld.....gal. .43 - —
3, dlvd. S. F. and L. A. gal. .41 - —
4, frt. alld. or dlvd...gal. .51½- —
tanks, Zone 1, frt. alld..gal. .24 - —
2, frt. alld.....gal. .27 - —
3, frt. alld.....gal. .29 - —
4, frt. alld.....gal. .29 - —

Synthetic methanol zones are:—Zone 1—Conn., Del., D. C., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., Neb., N. H., N. J., N. Y., N. C., O., Pa., R. I., S. C., Tenn., Vt., Va., W. Va., and Wis. Zone 2—Ala., Ark., Col., Fla., Ga., Kan., La., Miss., N. Mex., N. Dak., Okla., S. Dak., Tex., and Wyo. Zone 3—Los Angeles and San Francisco. Zone 4—Ariz., Calif. (with exception of Los Angeles and San Francisco), Ida., Mont., Nev., Ore., Utah, and Wash. Buyers in zone 4 have the option of buying at the delivered zone 4 price or at the zone 3 price, f.o.b. Los Angeles and San Francisco.

Methyl abietate, non-ret. dms., c.l., dlvd..lb. .09¼- —
10 dms., dlvd.....lb. .10¼- —
1-9 dms., dlvd.....lb. .11½- —
hydrogenated, non-ret. dms., c.l., dlvd..lb. .12 - .15½
10 dms.....lb. .13½- .16½
1-9 dms.....lb. .14½- .17½
Acetate, CP, 97-99%, dms., c.l., E. of Miss..lb. .10½- .12
W. of Miss.....lb. .11½- .12
l.c.l., E. of Miss.....lb. .11 - .14
W. of Miss.....lb. .12 - .13½
tanks, E. of Miss.....lb. .09½- —
W. of Miss.....lb. .10½- —
tech., dms., c.l., E. of Miss. lb. .07 - .09
W. of Miss.....lb. .08 - —
l.c.l., E. of Miss.....lb. .07½- .11
W. of Miss.....lb. .08½- .10½
tanks, E. of Miss.....lb. .06 - —
W. of Miss.....lb. .07 - —
Acetoacetate, dms., c.l., works, frt. alld..lb. .30½- —
Acetone, natural, Group A, dms. incl. E. of Miss., frt. alld. gal. .66 - —
l.c.l., same basis....gal. .76 - —
tanks, same basis.....gal. .60 - —

Natural methyl acetone prices W. of Miss. R., 2c. per gal. higher.

Group B, dms., c.l., Zone 1, frt. alld..gal. .62 - —
Zone 2, same basis.gal. .65 - —
Zone 3, same basis.gal. .67 - —
Zone 4, same basis.gal. .69 - —

Methyl acetone, nat., Group B, l.c.l., Zone 1, same basis. gal. .66 - —
Zone 2, same basis.gal. .69 - —
Zone 3, same basis.gal. .70 - —
Zone 4, same basis.gal. .68 - —
tanks, Zone 1, same basis. lb. .60 - —
Zone 2, same basis.gal. .62 - —
Zone 3, same basis.gal. .64 - —
Zone 4, same basis.gal. .64½- —

Natural methyl acetone zones are:—Zone 1, Conn., Del., D. of C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis. Zone 2—Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo. Zone 3—Los A., San Fran., Seattle, Wash.; Portland, Ore. Zone 4—Ariz., Cal., Idaho, Mont., N. Mex., Nev., Ore., Utah, Wash.

synthetic, dms., c.l., Zone 1. gal. .51 - —
Zone 2.....gal. .52 - —
Zone 3.....gal. .53½- —
Zone 4.....gal. .54½- —
l.c.l., Zone 1.....gal. .54½- —
Zone 2.....gal. .57 - —
Zone 3.....gal. .58 - —
Zone 4.....gal. .59½- —
tanks, Zone 1.....gal. .43 - —
Zone 2.....gal. .44½- —
Zone 3.....gal. .45½- —
Zone 4.....gal. .45½- —

Synthetic methyl acetone zones are:—Zone 1—Conn., Del., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., S. C., Tenn., Vt., Va., W. Va., Wis. Zone 2—Ala., Ark., Col., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. D., Tex., Wyo. Zone 3—Los Angeles, Cal.; San Francisco, Cal.; also (c.l. only) Portland, Ore. and Seattle, Wash. Zone 4—Ariz., Cal., N. Mex., Mont., Nev., Idaho, Ore., Utah, Wash.

Methyl alcohol (see Methanol).
Anthranilate, dms.....lb. 1.80 - 1.85
bots., cns.....lb. 2.20 - 2.35
Benzoate, cns.....lb. .45 - .55
Bromide, cns.....lb. .75 - .80
cyls.....lb. .65 - .75
Chloride, refrigeration, cyls., 500 lbs. and up, machine mfrs. and jobbers, cyl-inders..lb. .32 - —
service man and consumers, cyl..lb. .36 - —
60 to 499 lbs., mach. mfrs. and jobbers..lb. .38 - —
service men and consumers, cyl..lb. .36 - —
tanks, multi-unit, machine mfrs. and jobbers..lb. .31 - —
service men and consumers..lb. .36 - .40

Methyl chloride quotations are spot or contract, ship. point; prices above are in 60, 90 and 180-lb. cylinders; 20-lb. cylinders 10c. per pound higher.

Cinnamate, cns.....lb. 2.50 - 2.60
Formate, dms.....lb. .89 - —
Iodide, bots.....lb. 4.00 - 4.15
Lactate, dms., c.l., dlvd.....lb. No stocks
Oleate, dms., c.l.....lb. .35 - —
Salicylate,[1] dms., 500 lbs....lb. .35 - .37
25-50 lbs.....lb. .37 - .38
Methylamyl ketone, cns., dms., works..lb. No stocks
Methylcellulose, special, vis. (4,000 cps.) 5lb. ctns., 2,000 lbs. or more, frt. alld..lb. .60 - —
smaller lots, frt. alld....lb. .65 - .70
standard vis. (15-1,500 cps.), 5lb. ctns., 2,000 lbs. or more, frt. alld..lb. .55 - —
smaller lots, frt. alld....lb. .58 - .62
Methylcyclohexane, 98-100%, dms., works..lb. .16 - —
Methylcyclohexanol, 98-100%, dms. works..lb. .23 - —
Methylcyclohexanone, 98-100%, dms., works..lb. No stocks
Methylene blue, USP, kgs., works. lb. 2.00 - 2.15
cns., works.....lb. 2.35 - —
Chloride, refrig., dms., wks..lb. .16 - .26
solvent, dms., works.....lb. .12 - .15
Methylenesanilin, lbs., ton lots, min. frt. alld.....lb. .36 - —
smaller lots, same basis....lb. .37 - —
Methylethyl ketone, dms., dlvd. lb. .09 - —
l.c.l., dlvd.....lb. .09¼- —
tanks, dlvd.....lb. .08 - —
Methylhexyl ketone, dms., tech., works..lb. .60 - —
Methylisobutyl carbinol (see Carbinol, methylisobutyl).
Methylisobutyl ketone, dms., c.l., dlvd..lb. .11¼- —
l.c.l., dlvd.....lb. .12 - —
tanks, dlvd.....lb. .10½- —
Methylnaphthyl ketone, cns...lb. 3.75 - —
Methylpentanediol, dms., c.l., works..lb. .16 - —
l.c.l., works.....lb. .16½- —
1 and 5-gal. cont., works..lb. .20½- .23½
tanks, works.....lb. .15 - —
Mica, dry-grd., paint, plastic, 100 mesh, bgs., c.l., works.ton.47.50 - —
l.c.l., works.....ton.51.00 - —
roofing, 20 mesh, bgs., c.l., works..ton.32.50 -33.00
l.c.l., works.....ton.38.00 -40.00
30-31 mesh, bgs., c.l., works. ton.32.50 -35.00
l.c.l., works.....ton.37.50 -40.00
40-45 mesh, bgs., c.l., works, ton.32.50 -35.00
l.c.l., works.....ton.37.50 -40.00
80 mesh, bgs., c.l., works. ton.40.00 -42.50
l.c.l., works.....ton.44.00 -45.50
graphitic, bulk, Pa., mines. ton.80.00 - —
wet-grd., biotite, bgs., c.l., works, frt. alld. E..lb. .04½- —
l.c.l., ex whse., or frt. alld. E..lb. .05 - —
extra fine, bgs., c.l., works, frt. alld. E..lb. .04¾- —
l.c.l., ex whse. or frt. alld. E..lb. .05¼- —
paint or lacq., bgs., c.l., works, frt. alld. E..lb. .05½- —
l.c.l., ex whse. or frt. alld. E..lb. .06 - —
rubber, bgs., c.l., works, frt. alld. E..lb. .05¼- —
l.c.l., ex whse. or frt. alld. E..lb. .05¾- —
wallpaper, bgs., c.l., works, frt. alld. E..lb. .05½- —
l.c.l., ex whse. or frt. alld. E..lb. .06 - —
white, extra fine, bgs., c.l., works, frt. alld. E..lb. .06½- —
l.c.l., ex whse. or frt. alld. E..lb. .07 - —
Mica, wet-grd., W. of Miss. R., ½c. higher; W. of Rockies, ¾c. higher.

Milk powder,[1,7] skimmed, roller, bulk, c.l..lb. .15½- —
spray, bulk, c.l.....lb. 15¾- —
whole, roller, bbls., c.l.....lb. .31½- .32½
spray, bbls., c.l.....lb. .32½- .34½
Milk sugar,[1] bbls., c.l., works.lb. .26 - —
l.c.l., works.....lb. .26¾- .27½
Mineral spirits (see Petroleum, mineral spirits).
Molasses,[1,6] blackstrap, tanks, works, Area 1..gal. .18 - —
Area 2.....gal. .19½- —
Area 3.....ton.26.00 - —
Area 4.....ton.29.00 - —
tanks, Area 5.....ton.34.00 - —

Area 1, Fla., Ga., La., Tex.; Area 2, Mass., Md., N. J., N. Y.; Area 3, Calif.; Area 4, Colo., Idaho, Kan., Mont., Neb. (excepting Grand Island), S. D., Utah, Ore., Wash., Wyo.; Area 5, Ia., Md., Mich., Minn., Grand Island, Neb., Ohio, Wis.

Molybdate orange (see Orange, molybdate).
Molybdenum metal,[1,6] kgs., 99%, powd..lb. 2.60 - 3.00
Trioxide,[1,6] pure, kgs., works, basis Mo. content..lb. .95 - —
technical, kgs., works, basis Mo. content. lb. .80 - —
Monoamylamine, dms., c.l., works, basis 100%..lb. .61 - —
l.c.l., works, basis 100%..lb. .64 - —
Monochlorobenzene, dms., c.l., works..lb. .05½- —
l.c.l., works.....lb. .07 - .08
Monoethanolamine, dms c.l frt alld. E..lb. .24 - —
l.c.l., same basis.....lb. .25 - —
tanks, same basis.....lb. .23 - —
Monoethylamine, dms., c.l., works, basis 100%..lb. .17 - —
l.c.l. works, basis 100%...lb. .18 - —
tanks, 100% basis, works....lb. .15 - —
Monomethylamine, dms.....lb. .65 - —
Monomethylpara-aminophenol sulphate, dms..lb. 2.40 - 2.90
Monosodium phosphate (see Soda phosphate, monobasic).
Morphine, bots., 5 ozs.....oz.11.10 - —
cns., 25 ozs.....oz.10.90 - —
Acetate, bots., 5 ozs.....oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Hydrobromine, 5 ozs.....oz. 8.95 - —
cns., 25 ozs.....oz. 8.75 - —
Hydrochloride, bots., 5 ozs..oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Sulphate, bots., 5 ozs.....oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Morpholine, dms., l.c.l., works, lb. .67 - —
Mullein leaves, cns.....lb. .12 - .19
smaller containers, works...lb. .75 - —
Musk, nat., Tonquin, grains, bots., oz.55.00 -60.00
synthetic, ambrette, cns., 100 lbs., or more..lb. 4.00 - 9.10
25 lbs.....lb. 4.10 - 9.20
5 lbs.....lb. 4.25 - 9.45
xetone, cns., 100 lbs. or more..lb. 4.15 - 9.25
25 lbs.....lb. 4.25 - 9.35
5 lbs.....lb. 4.40 - 9.70
xylol, dms.....lb. 1.40 - 2.00
25 lbs.....lb. 1.50 - 2.00
5 lbs.....lb. 1.65 - 2.90
Muskroot, bls.....lb. 2.25 - 2.60
Mustard seed, Calif., brown, bgs. lb. .16 - .16½
yellow, bgs.....lb. .21 Nom.
Danish, yellow, bgs.....lb. .26 Nom.
Montana, brown, bgs.....lb. No stocks
oriental, bgs.....lb. .15 - .15½
yellow, bgs.....lb. .30 Nom.
Swedish, bgs., futures.....lb. .38 - .38½
Washington, yellow, bgs...lb. .30 Nom.
Myrobalans,[1] whole J1, U. S. ports, ex dock..ton.54.00 -55.00
J2, same basis.....ton.49.00 -50.00

N

Naphtha, painters (see Petroleum naphtha, V. M. & P.).
Solvent (see S).
Naphthalene, crude, dom., 74°, bgs., c.l., frt. equald..lb. .03 - .03½
bbls., c.l., same basis..lb. .031 - .034
tanks, same basis.....lb. .0275- .0325
78°, bgs., c.l., same basis.lb. .0325- .0375
bbls., c.l., same basis...lb. .0325- .0375
tanks, same basis.....lb. .03 - .0350
refined, balls, flakes, bbls., wholesalers and jobbers, works..lb. .03½- —
50-lb. cs., same basis....lb. .03¾- —
1-lb. pkgs., same basis...lb. .11 - —
Neocinchophen, USP, dms., works. lb. 7.00 - 7.10
Nepheline syenite,[1] glass grade, 24 mesh, bulk, Rochester, N. Y..ton.12.00 - —
pottery grade, 200 mesh, bulk, Rochester, N. Y..ton.15.50 - —

Nephelinesyenite in bgs. is $2 per ton higher than bulk.

Nerolin, crys., cns.....lb. 1.70 - 1.80
Niacin (see Acid, nicotinic).
Nickel, carbonate, bbls.....lb. .36 - .36½
Chloride, bbls.....lb. .18 - .20
Cyanide, bots., dms.....lb. No stocks
Oxide, black, bbls.....lb. .35 - .35
Salt, bbls.....lb. .13 - .13½
Nicotine sulphate, 40%, dms., 50 lbs. to dealers, frt. allowed over 96 lbs..lb. .8660- —
tins, 10 lbs.....lb. 1.015 - —
Nicotinamide, USP, dms., works. tills.11.00 -11.50
Nikethamide, bots., cbys.....lb. 7.00 - 8.00
Nitercake, bulk, works.....ton.16.00 - —
Nitrobenzene, dbl. dist., dms., c.l., lb. .08 - —
l.c.l.....lb. .09 - —
tanks.....lb. .07 - —
Nitrocellulose, alcohol-solubile, ⅛ sec., 20-35 cps., bbls., works, dry weight..lb. .28 - —
5-6, 40-60 cps., same basis, lb. .27 - —
ester-soluble, ¼, ½ sec. 30-35 cps., bbls., works, dry weight..lb. .26 - —
5-6, 15-20 cps. and higher, bbls., works, dry weight, lb. .25 - —

Nitrocellulose:—Denatured alcohol used in manufacture is charged extra. Barrels extra, but returnable.

Nitroethane, dms., works.....lb. .25 - —
Nitrogen solut., tanks.....ton.106.21 - —

Prices adjusted to ammonia sulphate basis from ports, and anhydrous ammonia basis, Hopewell, Va., bulk, works.

Nitrogenous process tankage,[1,7] bulk, works..unit-ton. 2.15 - 2.30
Sewage sludge,[1] bulk, works, unit-ton, 2.60 + .40 - 3.00 + 40
Nitromethane, dms., c.l., works, lb. .25 - —
Nitronaphthalene, bots.....lb. .24 - .25
Nitropropane 1, dms., works..lb. .25 - —
II, dms., works.....lb. .25 - —

Nutgalls,[6] bgs.....lb. .50 - .52
Nutmegs,[7] West Indian, bgs., July-Sept..lb. .70 - .71
Nux vomica, bls.....lb. .09½- .10
powder, bbls., bxs.....lb. .13 - .14

O

Oakbark extract,[1,6] 25% tannin, bbls., c.l., works..lb. No stocks
Octanes,[1] 100° C-140° C, industrial grade, dms., c.l., G.3..gal. .15½- —
l.c.l., G. 3.....gal. .20 - —
10 gals., G. 3.....gal. .55 - —
tanks, G. 3.....gal. .13 - —
Octanol, normal, tech., 360-lb. dms., dlvd..lb. .35 - —
Oil, almond, artificial (see Benzaldehyde).
Bitter, F.F.A., bots.....lb. 4.75 - 5.00
USP, bots.....lb. No prices
sweet, exp., dms., cns.....lb. 1.15 - 1.45
Angelica root, bots.....lb.40.00 -140.00
Seed, bots.....lb. No stocks
Anilin (see A).
Anise, USP, Chinese, dms..lb. 1.85 - 2.75
Russian, cns.....lb. 4.00 - —
Apricot kernel, cns.....lb. .55 - .65
Avocado, cns., dms.....lb. 1.00 - 1.10
Babassu,[1,7] tanks.....lb. 12 - —
Bay, W. I., 50-55%, cns.....lb. 1.30 - 1.65
Puerto Rican, 50-55%, cns..lb. 1.58 - 1.75
Bergamot, artif., cns.....lb. 2.25 - 5.50
natural, Italian, cns.....lb. 5.50 - 7.00
Birch (see Oil, sweet birch).
Birchtar, crude, cns.....lb. 5.00 - 6.00
rectified, cns.....lb. No stocks
Bois de rose, Brazil, cns....lb. 5.00 - 5.25
Mexican (see Oil, lignaloe wood).
Bone, dms., works.....gal. .65 - .70
Cade, USP IX (see Juniper tar).
Cajeput, tech., dms.....lb. 2.25 Nom.
redistilled, USP IX, cns....lb. 2.40 - 2.75
Calamus, cns.....lb.30.00 -50.00
Camphor, synthetic, white, cns. lb. .12 - .13
Cananga, native, cns.....lb. 8.00 -14.00
rectified, cns.....lb.12.50 -17.00
Capsicum (see Capsicum, oleoresin).
Caraway, NF, cns.....lb. 7.50 - 8.75
Cardamom, bots.....lb.17.00 -22.50
Cassia, USP, cns.....lb. 4.85 - 6.50
Castor,[1] blown, ret. dms., c.l. lb. .16½- —
l.c.l.....lb. .17¼- —
cold pressed, USP, cns.....lb. .17 - .19
dms., c.l.....lb. .15 - —
l.c.l.....lb. .15¾- —
tanks.....lb. .1450- —
dehydrated, bodied, dms., c.l. lb. .1975- —
l.c.l.....lb. .2015- —
tanks.....lb. .1985- —
unbodied, dms., c.l.....lb. .1875- —
l.c.l.....lb. .1915- —
tanks.....lb. .1885- —
No. 3, tech., dms., c.l....lb. .14¾- —
l.c.l.....lb. .15½- —
tanks.....lb. .14 - —
sulphonated, 50% (45% fat), dms., c.l..lb. .10 - .10¼
l.c.l.....lb. .10¾- .11
75% (65% fat), dms., c.l..lb. .12¾- .13¾
l.c.l.....lb. .13 - .13¾
80% (65% fat), dms., c.l..lb. .13¾- .13¾
l.c.l.....lb. .13¾- .13¾
Cedarleaf,[1] USP, cns., dms..lb. 2.60 - 2.70
Cedarwood, USP, cns., dms..lb. 1.00 - 1.30
Celery, bots.....lb.16.50 -20.00
Chaulmoogra, USP, cns.....lb. .60 - .85
Chinawood (see Oil, tung).
Cinnamon bark oil, bots.....lb.32.00 -41.00
leaf, dms.....lb. 1.40 - 1.85
Citronella, Ceylon, cns.....lb. 1.85 - 2.25
Clove, USP, cns.....lb. 1.50 - 1.85
Coconut,[1,7] crude, Ceylon, bulk, c.l.f., N. Y..lb. .0853- —
Cochin type, bulk, c.l.f. N. Y..lb. .0985- —
Manila, bulk, c.l.f. N. Y..lb. .0825- —
ret. dms.....lb. .0885- .0985
edible, ex tax, bulk.....lb. .0965- —
Cod, Newfoundland, dms....gal. .33 - .50
tanks.....gal. .30 - —
Codliver, USP, bbls., dms..gal. 2.15 - 2.25
Coriander, bots.....lb.15.50 -22.50
Corn,[1,7] crude, tanks, works.lb. .12¾- —
edible, dms., l.c.l.....lb. .16½- .16¾
tanks.....lb. .1502- —
foots, acid, 92%, tanks, dlvd. E..lb. .07½- —
raw, 50%, tanks, dlvd. E.lb. .08¾- —
Cottonseed,[2,7] crude, tanks, works..lb. .12½- .13½
foots, acid 95%, tanks, dlvd. E..lb. .07¾- —
raw, 50%, tanks, dlvd. E. lb. .08¾- —
salad, l.c.l., dms.....lb. .16¾- .17
Creosote (see C).
Croton, NF, cns.....lb. 4.25 - 4.75
Cubeb, cns.....lb No prices
Crude (see Petroleum, crude).
Cumin, bots.....lb.22.00 - —
Cypress, bots.....lb.12.00 -16.00
Degras (see D).
Dillseed, bots.....lb. 6.00 - 7.00
Dillweed, bots.....lb. 4.25 - 6.00
Dip (see D).
Erigeron, cns.....lb 2.25 - 2.40
Eucalyptus, USP, rect., 80-90%, cns..lb. 1.18 - 1.40
70-80%, cns.....lb. 1.09 - —
Fennel, sweet, cns.....lb. 3.75 - 4.50
Fir, Canada, cns.....lb. 2.50 - 2.80
Fishliver,[1] dms., less than 40,000 A units per gram... per million units. .14 - —
for each 1,000 additional A units up to 200,000 per gram..per million units. .001 - —
200,000 or more A units.... per million units. .30 - —
Fuel (see Petroleum, fuel oil).
Garlic, pure, bots.....oz.15.00 - —
Gaultheria (see Oil, wintergreen).
Geranium, Algerian, cns.....lb.18.00 -28.00
Bourbon, cns.....lb.16.25 -22.00
Russian, cns.....lb. No stocks
Turkish (see Oil, palmarosa).
Ginger, dist., bots.....lb.12.00 -14.00
Grapefruit, Florida, cns.....lb. 2.50 - 2.75
California, bots., cns.....lb. 2.05 - 2.15
Grease, common, No. 1, bbls., c.l..lb. .17¾- —
extra, No. 1, bbls., c.l.....lb. .18 - —
Winter strained, bbls., c.l..lb. .18½- —
prime, burning, bbls., c.l..lb. .19 - —
inedible, bbls., c.l.....lb. .18¾- —
Guaiacwood, cns.....lb. 2.90 - 4.00
Hemlock, cns.....lb. 2.00 - 2.75
Herring,[1] crude, tanks, Pac. coast..lb. .080 - —
Juniper, berry, dom., bots...lb. 6.50 - 8.50
Juniper tar, USP (see Juniper Tar).
Juniper wood, tech., cns....lb. .85 - 1.00
Lard oil (see Oil, grease).
Laurel, bots.....lb. No prices
Lavandin, cns.....lb. 4.50 - 5.50
Lavender flower, French, 38%-42% ester, cns..lb.11.00 -17.00
30-32% ester.....lb. 6.00 -10.00
Russian, cns.....lb.12.75 - —
spike, Spanish, pure, cns...lb. 2.00 - 3.10
tech., cns.....lb. 2.25 - 2.50
Lemon, USP, Calif., cns.....bl. 3.75 - —
Messina,[2] cns.....lb. 3.25 - 3.65
Terpeneless, bots.....lb.40.00 -50.00

Metalorganics Inc.
Chicago, Illinois

July 1946

To the Chemical Industry:

We are pleased to announce that the Metalorganics Corporation has concluded arrangements with the Lever Brothers Company for the exclusive right to manufacture and sell certain Organic Mercury Compounds under 44 patents held by the Lever Brothers Company.

We are now in a position to solicit your inquiries for these patented compounds as well as Phenyl Mercury Acetate and Phenyl Mercury Hydroxide.

There is also the possibility that it may be not only convenient but economical to have us produce your existing products containing these items and afford you maximum possible patent protection.

In addition to the services of our own research department on Phenyl Mercury compounds, we offer you the combined technical information of the Lever Bros. Company and of Metalorganics' parent organizations, the Edwal Laboratories and the Metalsalts Corporation.

Soliciting your inquiries, we remain

Cordially yours,

METALORGANICS INCORPORATED

W. M. Stieb
President

METALORGANICS INC.

PLANTS AT RINGWOOD, ILLINOIS

Manufacturing Chemists

AND PATERSON, NEW JERSEY

TELEPHONES — NEW YORK, PENNSYLVANIA 6-3534 — CHICAGO, HARRISON 6378

SALES OFFICES: 22 FIRST AVENUE, PATERSON, N. J. — 7923 FEDERAL STREET, CHICAGO, ILL. — 1008 RUSS BLDG., SAN FRANCISCO, CALIF.

Oil, lemongrass, cns., dms....lb. 3.25 - 4.00
Lignaloe seed, Mexican, cns.. lb. No stocks
wood, Mexican, cns.....lb. 4.75 - 5.25
Brazilian (see Bois de Rose).
Lime, distilled, Mexican, cns. lb. 5.50 - 7.25
West Indian, cns.....lb. 6.10 - 7.50
expressed, West Indian, cns. lb.14.00 -15.00
Linseed,[1,7] raw, dms., c.l....lb. .1870- —
l.c.l. .....lb. .1910- .1950
tanks .....lb. .1790- —
tankwagon .....lb. .1790- —
Boiled linseed oil, .004 higher than raw.
Linseed, replacement, dms., c.l. lb. .1820- .1870
tanks .....lb. .1740- .1790
Lubricating,[1] at refinery, ex tax, California, neutral, pale, 200-300 vis., 2¼-4 pour, tanks..gal. .07¼- .11
red, 200-300 vis., 4-6½ pour, plus tanks..gal. .07¼- .11¼
Group 3, bright stock, 150-160 vis., 0.25 pour, tanks, gal. .22 - —
neutral, 300 vis., No. 3, col., 0-10 pour, tanks..gal. .16 - —
200-300 vis., No. 3, col., 15-25 pour, tanks, gal. .15 - .16
145-155 vis., No. 3 color, 10-25 pour, tanks..gal. .25 - .30½
cylinder oils, 600-630 flash, tanks..gal. .16 - .17
600-650 steam, refd., tanks..gal. .15 - .15½
neutral, 70° F., No. 3 color, 150 vis., 25 pour, tanks..gal. .26 - .31
200 vis., 25 pour, tanks, gal. .28 - .33

Oil, mace, dist., cns., dms....lb. 5.00 - 5.25
Mineral, white (see Oil, white)
Mandarin, Brazilian, cns....lb. 6.60 -10.00
Menhaden,[1,7] crude, tanks, Balto..lb. .12 Nom.
refined, alkali, dms., c.l..lb. .1720- —
kettle-bodied, dms., l.c.l..lb. .1820- —
light-pressed, dms., l.c.l..lb. .1620- —
tanks .....lb. .1520- —
Mustard, artif., USP, cns....lb. 1.45 - 1.65
Seed, exp., dms., extra....lb. .14¾- —
Neatsfoot,[1] 15°, bbls.....gal. 1.80 - 1.85
20°, bbls.....gal. 1.75 - 1.80
30°, bbls.....gal. 1.55 - 1.60
pure, bbls.....lb. .15½- .16½
Neroli, French, bots.....lb.195.00 -325.00
Haitian, bots.....lb.195.00 -200.00
Nutmeg, cns. .....lb. 5.00 - 5.25
Ottieica,[1] liquid, dms., c.l....lb. .25½- — l.c.l. .....lb. .26½- —
Oleo,[1] extra, tcs., Chicago...lb. .19½- .21¼
Olibanum, bots.....lb. 5.00 - 5.20
Olive, denat., dms.....gal. No stocks
edible,[1] Calif., 3%-½% f.f.a., dms., extra, works..gal. 4.30 - 4.50
imported, dms.....gal. 9.25 - 9.75
foots,[1] dom., dms., c.l.....lb. .18 - —
tankcars, works.....lb. .17 - —
imp.,[1] dms., c.l., ex dock, lb. .18 - —
tankcars, ex dock....lb. .17 - —
sulphonated, 50% (40% fat), dms., c.l..lb. No stocks
l.c.l. .....lb. No stocks
80% (68% fat), dms., c.l.lb. No stocks
l.c.l. .....lb. No stocks
65% (68% fat), dms., c.l.lb. No stocks
l.c.l. .....lb. No stocks
Orange, sweet, dist., cs.....lb. 1.25 - 1.75
expressed, USP, Brazilian, cns..lb. 1.45 - 1.70
Calif., cns.....lb. 1.60 - 2.00
Florida, cns., dms.....lb. 1.50 - 1.90

Oil, orange, expressed, USP, Messina, coppers.....lb. No stocks
West Indian, cns.....lb. 2.25 - 2.75
sesquiterpeneless, bots.....lb.100.00 -112.00
Origanum, Spanish, cs.....lb. 2.85 - 3.10
Palm,[1,7] Niger, dms.....lb. .0925- —
Palmarosa, cns. .....lb. 3.50 - —
Palmkernel,[1,7] crude, bulk, c.i.f. N.Y..lb. .0985 Nom.
Paraffin,[1] 300° flash, 100-110 vis., tanks, G.S..gal. .05¾- —
320° flash, 60-70 vis., tanks, G.S..gal. .05¼- —
350° flash, 70-80 @ 100 vis., 0/10 pour, G.S..gal. .08 - —
80-85 vis., 0/10 pour, bbls., extra, ind. ref'y..gal. .12 - —
100-110 vis., 0/10 pour, same basis..gal. .08¼- —
10/25 pour, same basis.gal. .06¼- —
Patchouli, cns.....lb. No stocks
Peanut,[1,7] bleached, deod., tanks, dlvd. E..lb. .1601- —
crude, tanks, works.....lb. .12¾- .13¾
foots, acid, 95%, tanks, dlvd. E..lb. .08 - —
raw, 50%, tanks, dlvd. E..lb. .04 - —
hydrogenated, tanks, dlvd. E., lb. .1572- .1675
Pennyroyal, dom., dms., cns.lb. 3.25 - 3.60
import, cns. .....lb. 3.85 - 4.10
Peppermint,[1] natural, dms...lb. 6.80 - 7.50
redist., USP, dms.....lb. 7.20 - 7.85
Perilla, crude, dms.....lb. No stocks
Petitgrain, Paraguay, cns., dms..lb. 4.00 - 4.35
Pimento, berry, dms.....lb. 6.85 - 8.00
leaf, cns.....lb. 3.75 - 5.75
Pine, ret. dms., c.l., dlvd. E. gal. .75 - .78½
l.c.l., dlvd. E.....gal. .80 - .90
tanks, works.....gal. .65 - —

Oil, pineneedle, cns.....lb. 3.25 - 3.65
Putty, bbls., E. Segundo, Richmond, Cal..gal. .32½- —
contracts .....gal. .16½- —
dms., c.l., Whiting, Ind...gal. *.24 - —
Boston, Providence....gal. .25 - —
l.c.l., same basis.....gal. .27 - —
tanks, same basis.....gal. .18 - —
Martinez, Cal.....gal. .28 - —
* Extra for bbls., but subject to quantity discounts, ranging from 2c. to 5c. per gallon, according to amount purchased.
Rapeseed,[1] bulk.....lb. .12 - —
Red,[1] ret. bbls., c.l., dms., dlvd. E. of Rockies..lb. .16¾- —
W. of Rockies.....lb. .17¾- —
Texas and Okla.....lb. .17¼- —
tanks, dlvd. E. of Rockies..lb. .16 - —
W. of Rockies.....lb. .17 - —
Texas and Okla.....lb. .16½- —
double dist., ret. dms., c.l., dlvd. E. of Rockies..lb. .19¾- —
W. of Rockies.....lb. .20¾- —
Texas and Okla.....lb. .19¾- —
special, non-ret. dms., bbls., c.l., dlvd. E. of Rockies. lb. .20¼- —
W. of Rockies.....lb. .21½- —
Texas and Okla.....lb. .21 - —
Red oil prices for ton lots are ½ cent per pound higher, and 1c. higher for less than ton lots.
Rose, natural, coppers.....oz 31.25 -40.00
Rosemary, Spanish, tech., cns., dms..lb. 1.20 - 1.50
USP, cns, dms.....lb. 1.50 - 1.75
Rosin, 1st rectified, dms....gal. .66 - —
2nd rectified, dms.....gal. .62 - —
3rd rectified, dms.....gal. .72 - —
Rue, bots.....lb. 4.75 - 5.25
Sage, Dalmatian, cns.....lb. 6.25 - —
Spanish, cns.....lb. 2.60 - 3.50
Sandalwood, NF, Mysore, cns., case lots..lb.11.15 -11.35
Sardine, crude,[1,7] tanks, Pac. coast..lb. .13 Nom.
refined, alkali, dms., l.c.l..lb. .1720- —
kettle-bodied, dms., l.c.l..lb. .1820- —
light-pressed, dms., l.c.l..lb. .1620- —
tanks .....lb. .1520- —
Sassafras, natural, cns., dms. lb. 2.00 - 2.30
artificial, dms.....lb. .80 - .90
Savin, cns.....lb. No stocks
Savory, cns.....lb. 8.00 - —
Seal,[1] No. 1, tanks, U.S. ports, lb. .030 - —
Sesame,[1,7] tanks.....lb. .1430- —
Shingle stain, bbls., c.l., works, gal. .2185- —
l.c.l., works.....gal. .23 - .30
tanks, works.....gal. .15 - .16
Snakeroot, Canada, cns.....lb. No stocks
Soybean,[1,7] clarified, dms....lb. .1296 -.1325
tanks .....lb. .1250- —
crude, tanks, Decatur.....lb. .1175- —
deod., Winter, tanks.....lb. .1296- —
ret. dms.....lb. .1500- .1540
foots, acid, 95%, tanks, dlvd. E..lb. .07¼- —
raw, 50%, tanks, dlvd. E..lb. .06½- —
refd., varnish, dms.....lb. .1280- .1400
tanks .....lb. .1240- .1247
Spearmint, dms.....lb. 5.50 - —
Sperm, bleached, 38°, dms...lb. .1445- —
natural, 45°, dms.....lb. .1310- .1611
Spruce,[1] cns., dms.....lb. 2.60 - 2.75
Sunflower, imported, refined, tanks..lb. .1425- —
semi-refined, tanks.....lb. .1420- —
Sweet birch, North, cns.....lb. 6.00 - 7.25
South, cns.....lb. 2.50 - 3.25
Tall,[1] crude, dms., c.l., works. ton.52.65 -55.00
l.c.l., works.....ton.58.65 -62.65
tanks, works.....ton.40.00 -45.00
refined, dms., c.l., works..lb. .05 - .05¼
l.c.l., works.....lb. .05¼- —
tanks, works.....lb. .04½- —
Tallow, acidless, bbls., Chicago. lb. .16¾- —
tanks, Chicago.....lb. .16¼- —
Tansy, cns.....lb. No stocks
Tar,[1] pine, crude, dms., c.l., dlvd. E. cities..gal. .32½- —
l.c.l., works.....gal. .20½- —
tanks, dlvd. E. cities....gal. .27 - —
rectified, USP, bbls.....gal. .60¼- —
Tar acid (see T).
Thyme, NF, red, cns.....lb. 2.60 - 2.65
white, cns. .....lb. 2.85 - 2.75
Tung,[1] dms., c.l.....lb. .29 - .29½
l.c.l. .....lb. .40 - .45
tanks .....lb. .38½- —
Turkey red (see Oil, castor, sulphonated).
Turpentine, rectified, USP, cns., dms..lb. .25 - .29
Vetiver, Bourbon, cns.....lb.37.50 -42.50
Whale,[1] ref., natural, dms..lb. No stocks
Winter bleached, dms.....lb. No stocks
Wheat germ, dms.....gal.19.00 -19.50
White mineral, tech., 60-65 vis., dms., incl., c.l.gal. .37 - —
l.c.l. .....gal. .40 - .44
65-75 vis., dms., dms. incl., c.l..gal. .38 - —
l.c.l. .....gal. .41 - .45
USP, 80/90 vis., dms., dms. incl., c.l..gal. .40 - —
l.c.l. .....gal. .43 - .47
125/135 vis., dms., dms. incl., c.l..gal. .49 - —
l.c.l. .....gal. .53 - .59
145/155 vis., dms., dms. incl., c.l..gal. .51 - —
l.c.l. .....gal. .54 - .59
175/185 vis., dms., dms. incl., c.l..gal. .52 - —
l.c.l. .....gal. .55 - .60
200/210 vis., dms., dms. incl., c.l..gal. .56 - —
l.c.l. .....gal. .59 - .63
335/345 vis., dms., dms. incl., c.l..gal. .64 - —
l.c.l. .....gal. .67 - .71
55, 70 and 85 vis., non-ret. dms., San Francisco.gal. .42 - —
smaller lots, same basis. gal. .44 - .47
100 vis., non-ret. dms., 65 dms., San Francisco.gal. .51½- —
100 vis., non-ret. dms., San Francisco, smaller lots, same basis..gal. .53½- .56½
145 vis., non-ret. dms., 65 dms., San Francisco.gal. .59 - —
smaller lots, same basis gal. .61 - .64
180 vis., non-ret. dms., 65 dms., San Francisco.gal. .63½- —
smaller lots, same basis gal. .64½- .67½
840 vis., non-ret. dms., 65 dms., San Francisco.gal. .74 - —
smaller lots, same basis gal. .76 - .79
Wintergreen, natural, North, cns..lb. 5.50 -12.00
South, cns. .....lb. 3.65 - 4.25
synthetic (see Methyl salicylate).
Wood (see Oil, tung).
Wormseed, cns. .....lb. 5.00 - 5.10
Wormwood, cns.....lb. 4.85 -10.00
Ylang-ylang, Bourbon, extra, bots..lb.19.00 -24.50
first, bots.....lb.14.50 -19.50
second, bots.....lb.11.00 -14.50
third, bots.....lb. 6.00 - 9.50

New *Aromatic* Chemicals Developed During the Past Year

The new odor successes in the perfume and cosmetic field will be based upon these:

★ ALDEHYDE FK
Basis for Lilacs to create richer, stronger Lilac Odor.
Add up to 10% Aldehyde FK.

★ JASMINOL
Similar in odor to Alpha Amyl Cinnamic Aldehyde but softer and finer.
Stable in soaps and creams. Basis for Jasmin Odors.

★ TUBEROL
Basis for Tuberose odors and perfumes for creams, lotions, etc.

★ CUIRUSAL
Powerful aldehyde useful in floral and many fancy bouquets.

★ RESEDALIA
A chemical surprisingly true to the odor of Reseda Mignonette.

★ ETHYLENE GLYCOL ACETAL OF PHENYL ACET ALDEHYDE
Softener and homogenizer for all types of Floral Odors.

★ VIOLETTONE
A Ketone basis with Patchouly note for Violet Odors.

These are a few of our recently developed products.

WRITE FOR COMPLETE LIST.

Cyclamal— An aldehyde replacing Hydroxy Citronellal. Five times stronger. Economical to use.

ESTABLISHED 1910 GD CO AROMATICS DIVISION

Aromatics Division
GENERAL DRUG COMPANY
125 Barclay St., New York 7, N. Y.
9 S. CLINTON STREET, CHICAGO 6 1019 ELLIOTT STREET, W. WINDSOR, ONT.

Oleostearin,[7] loose, Chicago	lb.	.16¾- —
Olivine, aggregate, c.l., mines	ton.	7.00 - 9.50
crushed, 8 mesh, bulk, c.l., works	ton.	8.00 - —
paper bgs., c.l., works	ton.	9.50 - —
lumps, paper bgs., c.l., works	ton.	7.00 - —
spalls, paper bgs., c.l., works	ton.	5.00 - —
Opium gum, USP, cns., 50-lb. lots	lb.	13.00 - —
25-lb. lots	lb.	13.25 - —
smaller lots	lb.	13.50 -13.65
Prices on powd. and gran. USP opium are $1.50 per pound higher.		
Orange, cadmium, selenide, bbls., 100-lb. lots, works	lb.	1.50 - —
Chrome, CP, bbls., dlvd. N. of Tenn. and N.C., E. of Miss. R., includ. Davenport, Minneapolis, Rock Island, St. Louis, St. Paul, contracts	lb.	.17½- —
Chrome orange prices are ½c. higher, dlvd. Ala., Fla., Ga., La. (Shreveport); 1½c., Miss., N. C., S. C., Tenn., Dallas, Tex., 1½c.; Ft. Worth, Tex., 1½c.; El Paso, Tex., 2c.; Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.		
Dinitroaniline, toner[3]	lb.	1.95 - —
Molybdate,[1] bbls.	lb.	.42 - —
Orthonitroaniline toner,[1] bbls., kgs., works	lb.	.90 - 1.05
Persian,[1] bbls.	lb.	.30 - .45
Orange mineral, American, bbls., 5 tons, dlvd. Ala., Cal., Fla., Ga., La., Miss., Tex. and W. of Cascade Mts. in Ore. and Wash.	lb.	.15¼- —
Okla. and Ark.	lb.	.15 - —
Mts. in Ore and Wash.	lb.	.15¾- —
Mont., Wyo., Colo., N. Mex.	lb.	.15½- —
other points	lb.	.15 - —
smaller lots, Ala., etc.	lb.	.15¾- —
Ariz., etc.	lb.	.15½- —
Colo., Mont., N. M., Wyo.	lb.	.16¼- —
other points	lb.	.16 - —
Orange flowers, cs.	lb.	.46 - .48
Orange peel, Haitian, bls.	lb.	.13¼- .13¾
sweet, bls.	lb.	.13½- .14
Oregano, Mexican, curly leaf, bgs.	lb.	.10 - .10½
flat leaf, bgs.	lb.	.09¾- .10¼
Orris root, Florentine, bls.	lb.	.43 - .44
Verona, bls.	lb.	No stocks
Portuguese, bls.	lb.	.45 - .47
Orthoamylphenol, dms., works	lb.	.35 - —
Orthoanisidin, bbls.	lb.	.70 - —
Orthochloraniline, dms.	lb.	.60 - —
Orthochlorophenol, dms.	lb.	.25 - .27
Orthocresol,[2] 30.4° C., min., M.P., dms., c.l., works	lb.	.17½- .18
l.c.l., works	lb.	.18 - .18½
29° C. min., M.P., dms., c.l., works	lb.	.16½- .17
l.c.l., works	lb.	.17 - .17½
Orthodichlorobenzene, dms., c.l., works, frt. alld. E. of Rockies	lb.	.07 - —
l.c.l., same basis	lb.	.08 - —
tanks, same basis	lb.	.06½- —
Orthodichlorobenzene prices W. of Rockies 1c. per lb. higher.		
Orthonitroaniline, dms.	lb.	.43 - .55
Orthonitrobiphenyl, tech., grade A., dms., c.l., works	lb.	.10 - —
l.c.l., works	lb.	.11 - —
grade B, dms., c.l., works	lb.	.06 - —
l.c.l., works	lb.	.07 - —
Orthonitrochlorobenzene, dms.	lb.	.15 - .18
Orthonitroparachlorophenol, cns.	lb.	.75 - —
Orthonitrotoluene, dms.	lb.	.09 - —
Orthophenetidin, dms.	lb.	.82 - —
Orthotoluidin, dms.	lb.	.19 - —
Osage orange crystals, bbls.	lb.	.29 - —
extract, No. 1, bbls.	lb.	.14 - —
Ouabaine, USP, bots.	gram.	3.00 - 4.00
Oxyquinolin sulphate, cns., 100 lbs., works	lb.	3.50 - —
small lots, works	lb.	3.75 - 4.15

P

Papain, powd., cs.	lb.	4.50 - 4.75
Papaverine, natural or synthetic, hydrochloride, NF, cns., 100-oz. lots	oz.	7.00 - —
smaller lots	oz.	7.05 - 7.35
Sulphate, cns.	oz.	7.10 - 7.35
Paprika,[4] Calif., sweet, Caliente, ground, bgs.	lb.	.40 - .41
Chilean, bgs.	lb.	.37 - .37½
Portuguese, bgs.	lb.	.38 - .41
Spanish, bgs.	lb.	.43 - .44
Para-anisidin, dms., works	lb.	.75 - —
Parachlorophenol, dms.,c.l., works	lb.	.24 - —
l.c.l., same basis	lb.	.25 - .27
Paracresol, bbls., works	lb.	.41 - —
Paracymene, dms., c.l., works	lb.	.1506- —
l.c.l., same basis	lb.	.1645- —
tanks, same basis	lb.	.1545- —
Paradichlorobenzene, dms., c.l., works	lb.	.11 - .12
l.c.l., same basis	lb.	.12¼- .15
Paraffin,[1] crude scale, white or yellow, 124-126 ASTM, bbls., c.l., refinery	lb.	.04¼- —
fully ref'd slabs, loose, 117-119 ASTM, c.l., refinery	lb.	.05 - —
120-122 ASTM, refinery	lb.	.0520- —
123-124 ASTM, refinery	lb.	.0520- —
125-127 ASTM, refinery	lb.	.0540- —
127-129 ASTM, refinery	lb.	.0535- —
128-130 ASTM, refinery	lb.	.0585- —
130-132 ASTM, refinery	lb.	.0615- —
133-134 ASTM, refinery	lb.	.0640- —
135-137 ASTM, refinery	lb.	.0715- —
140-143 ASTM, refinery	lb.	.0610- —
146-149 ASTM, refinery	lb.	.1050- —
Prices in bags 4/10c. lb. higher.		
Paraformaldehyde, dms., 1,000 lbs. or more, works	lb.	.21 - —
smaller lots, works	lb.	.22 - —
Paraldehyde, tech., 96%, 55 and 110-gal. dms., l.c.l., wks.	lb.	.12 - —
10-gal. dms., works	lb.	.15 - —
USP, obys., cns.	lb.	.35 - .45
Paranitroaniline, kgs., works	lb.	.41 - .43
Paranitrochlorobenzene, kgs., wks.	lb.	.15 - —
Paranitrophenol, kgs.	lb.	.35 - —
Paranitrotoluene, kgs., works	lb.	.30 - —
Paraphenylenediamine, tech., kgs.	lb.	1.25 - —
Paratoluenesulphonamide, bbls.	lb.	.70 - —
Paratoluidin, bbls., works	lb.	.43 - —
Paris green,[1] dealer, distributor, dms., kgs., c.l., works, frt. alld.	lb.	.20 - .27
l.c.l., same basis	lb.	.22 - .28
Passion flower herb, bls.	lb.	.20 - .23
Patchouli leaves, bls.	lb.	.23 - .40
Pectin, bbls.	lb.	1.25 - —
Penicillin,[4,6] ampule, per 100,000 units		.45 - —
Pennyroyal leaves, bls.	lb.	.24 - .25
Pentachlorophenol, dms., works	lb.	.20 - .25
Pentaerythritol, CP, bbls., dlvd.	lb.	.75 - —
smaller containers	lb.	1.00 - —
tech., bbls., c.l.	lb.	.27 - —
l.c.l.	lb.	.31 - —
Pentane, 28°-35° C., industrial grade, dms., c.l., Group 3	gal.	.11 - —
l.c.l., dms., Group 3	gal.	.19 - —
laboratory grade, tanks, Group 3	gal.	.07½- .07¾
10-gal. cns., dlvd. E.	gal.	.55 - —
dms., c.l., Group 3	gal.	.16 - —
l.c.l., Group 3	gal.	.20 - —
Pepper, black,[1,7]	lb.	.46 - .50
Red, capsicum, Carolina, longs, new crop, bgs., ship't point.	lb.	.48 - .49
sports, old crop, bgs.	lb.	No stocks
Louisiana, sports, bgs.	lb.	No stocks
long, new crop, bgs., ship't point.	lb.	No stocks
Chillies, Haitian, bgs.	lb.	.55 - .60
Mexican, long	lb.	.48 - .49
White,[1,7] bgs., 15 tons	lb.	No stocks
Peppermint, dom., USP, bls.	lb.	1.20 - 1.25
imported, USP, bls.	lb.	1.40 - 1.50
Perchloroethylene, dms., c.l., Zone 1, works, frt. alld.	lb.	.0772- .0800
Zone 2, same basis	lb.	.0832- .0850
Zone 3, same basis	lb.	.0932- .0900
Zone 4, same basis	lb.	.0876- .0900
l.c.l., Zone 1, same basis	lb.	.0982- .0950
Zone 2, same basis	lb.	.0932- .0900
Zone 3, same basis	lb.	.0982- .0950
Zone 4, same basis	lb.	.0926- .0950
Perchloroethylene zones are:—(1) Conn., Del., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., Neb. (Omaha), Kans. (Kansas City), N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis.; (2) Ala., Ark., Fla., Ga., Kansas, La., Miss., Neb., N. D., Okla., S. C., S. D.; (3), Col., Mont., (35) N. M., Tex., Wyo.; (4) Ariz., Cal., Idaho, Mont. (W), Nev., Ore., Utah, Wash.		
Peru balsam, dms.	lb.	1.75 - 1.80
Petrolatum, tech., dark, bbls., c.l., Group 3	lb.	.031 - —
golden topax, bbls., c.l.	lb.	.032 - —
l.c.l.	lb.	.036 - —
red, veterinarian, bbls., c.l.	lb.	.024 - —
l.c.l.	lb.	.028 - —
USP, amber, non-ret. dms., c.l.	lb.	.02½- —
l.c.l.	lb.	.04½- —
extra amber, dms., c.l.	lb.	.03½- —
l.c.l.	lb.	.04½- —
cream, c.l., dms.	lb.	.05 - —
l.c.l.	lb.	.06½- —
white, lily, dms., c.l.	lb.	.05½- —
l.c.l.	lb.	.07½- —
snow, dms., c.l.	lb.	.06½- —
l.c.l.	lb.	.08 - —
soft, dms., c.l.	lb.	.05½- —
l.c.l.	lb.	.06½- —
yellow, soft, dms., c.l.	lb.	.03½- —
l.c.l.	lb.	.04½- —
Petroleum, crude, bulk, at wells, California, heavy grades	bbl.	1.62 - 1.68
Illinois	bbl.	1.47 - —
Kentucky, Union County	bbl.	1.42 - 1.47
Louisiana-Arkansas	bbl.	.95 - 1.30
Oklahoma-Kansas	bbl.	.95 - 1.35
Pennsylvania, lower fields	bbl.	2.98 - 3.10
Upper field	bbl.	1.41 - 2.75
Texas, East	bbl.	1.35 - —
Gulf coast	bbl.	1.16 - 1.56
North, North-Central	bbl.	1.11 - 1.35
Panhandle	bbl.	.90 - 1.32
West	bbl.	.80 - 1.22
Wyoming	bbl.	.95 - 1.35
Petroleum ether, laboratory grade, 30°-60° C, 10-gal. cns., dlvd. E.	gal.	.55 - —
dms., c.l., Group 3	gal.	.16 - —
l.c.l., same basis	gal.	.20 - —
35°-60° C., 10-gal. cns., dlvd., E.	gal.	.55 - —
dms., c.l., Group 3	gal.	.16 - —
l.c.l., same basis	gal.	.20 - —
40°-75° C, 10-gal., cns., dlvd., E.	gal.	.55 - —
dms., c.l., Group 3	gal.	.16 - —
l.c.l., same basis	gal.	.20 - —
Fuel oil,[1] furnace, tanks, at refinery, Arkansas, No. 1	gal.	.04½- —
No. 3	gal.	.04 - —
Bayonne, No. 2, tanks	gal.	.057 - —
California, heavy	bbl.	1.25 - —
light	bbl.	1.30 - —
diesel	gal.	.04¾- —
range	gal.	.05¾- —
Group 3, No. 1	gal.	.04¾- —
No. 2, straw	gal.	.04½- —
No. 3	gal.	.04 - —
range	gal.	.04½- —
Kansas, No. 6	bbl.	1.23 - —
Oklahoma, No. 1, p.w.	gal.	.04¾- —
No. 1, straw	gal.	.04¼- —
No. 2, straw	gal.	.04½- —
No. 3	gal.	.04 - —
No. 6	bbl.	1.10 - —
range	gal.	.04½- —
Pennsylvania, No. 1	gal.	.0667- .0925
No. 2	gal.	.0625- .0675
No. 3	gal.	.0625- .0675
36-40 gravity	gal.	.05¾- .09¾
bunker C (No. 6), tanks, Albany, N. Y.	bbl.	1.92 - —
Baltimore, Md.	bbl.	1.72 - —
Boston, Mass.	bbl.	1.765 - —
Charleston, S. C.	bbl.	1.62 - —
Fall River, Mass.	bbl.	1.735 - —

If it's LEMON flavored—

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More than 80% of all the lemon oil used in the United States is Exchange Lemon Oil.

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The Exchange Orange Products Co., Ontario, Calif.

Petroleum, fuel oil, bunker C (No. 6), tanks, Jacksonville, Fla..bbl. 1.63 - —
New Haven, Conn.....bbl. 1.735 - —
New York, N. Y.....bbl. 1.72 - —
Norfolk, Va.....bbl. 1.66 - —
Philadelphia, Pa.....bbl. 1.72 - —
Portland, Me.....bbl. 1.765 - —
Portsmouth, N. H.....bbl. 1.765 - —
Providence, R. I.....bbl. 1.735 - —
Savannah, Ga.....bbl. 1.62 - —
Tiverton, R. I.....bbl. 1.735 - —
Wilmington, N. C.....bbl. 1.62 - —

Lacquer diluent, California, 100 l.b.n., 200 e.p., tanks, dlvd. Los Angeles..gal. .12 - —
Fort Wells, Wash.....gal. .13 - —
East Coast, N. J., N. Y., tanks, refinery..gal. .11½ -
Group 3, bensol type, tanks, gal. .07⅞- —
toluol type, tanks.....gal. .07⅞- —
San Francisco.....gal. .11½- —
Willbridge, Ore.....gal. .12 - —

Mineral spirits, California, San Francisco, 168-252 b.r., tanks..gal. .10½- —
198-290 b.r., tanks...gal. .10½- —
246-397 b.r., tanks...gal. .10½- —
312-406 b.r., tanks...gal. .09 - —
363-458 b.r., tanks...gal. .09 - —
East coast, N. J., N. Y., tanks, refinery..gal. .10 - —
Group 3, tanks, refinery.gal. .06½- .06¼
Gulf coast, tanks.....gal. .06¼- —
tankwagon, Baltimore....gal. .1210- —
Boston .....gal. .13 - —
Bridgeport, Conn.....gal. .1490- —
Buffalo .....gal. .1240- —
Camden, N. J.....gal. .11 - —
Chicago .....gal. .1150- —
Detroit .....gal. .1280- —
Hartford .....gal. .1490- —
Kansas City, Mo.....gal. .1260- —

Petroleum, mineral spirit, tankwagon, Lancaster, Pa..gal. .12 - —
Lancaster, Pa.....gal. .13 - —
Milwaukee .....gal. .1240- —
Minneapolis .....gal. .1220- —
Newark .....gal. .11 - —
New York.....gal. .11 - —
Philadelphia .....gal. .11 - —
Pittsburgh .....gal. .125 - —
Providence .....gal. .13 - —
Rochester .....gal. .1220- —
St. Louis.....gal. .1270- —
Syracuse .....gal. .14 - —
Washington, D. C.....gal. .135 - —
Wilmington, Del.....gal. .11 - —

Naphtha, cleaners, California, tanks, San Francisco..gal. .12 - —
East coast, N. J., N. Y., tanks, refinery..gal. .11 - —
Group 3, tanks, refinery, gal. .07¼- .07⅛
tankwagon, Newark.....gal. .12 - —
Bridgeport .....gal. .1730- —
Chicago .....gal. .1280- —
Detroit .....gal. .13 - —
Milwaukee .....gal. .1440- —
Minneapolis .....gal. .1420- —
New York.....gal. .12 - —
Philadelphia .....gal. .125 - —
St. Louis.....gal. .1470- —

high-solvency, No. 3, tanks, Paulsboro, N. J..gal. .16 - .225
No. 30, tanks, same basis, gal. .17 - .220
No. 40, tanks, same basis, gal. .17½- .220
No. A-30, tanks, Carteret, N. J..gal. .21½- —
Chicago, Cincinnati, Detroit..gal. .23 - —
No. B-30, tanks, all shipping points..gal. .24½- —
No. F-30, tanks, Carteret, N. J..gal. .23 - —

Petroleum, naphtha, V.M.&P., at refinery, California, 46.5, 254 i.b.p., 389 e.p., tanks, El Segundo..gal. .41 - —
Richmond .....gal. .11½- —
Willbridge, Ore., Pt. Wells, Wash..gal. .12 - —
54-77, 190 i.b.p., 310 e.p., Los Angeles.....gal. .10 - —
San Francisco....gal. .10½- —
Portland, Seattle.gal. .11 - —
Group 3, tanks.....lb. .07¼- .07⅛
Gulf Coast (dlvd. New Orleans), tanks..gal. .06¼- —
tankwagon, Boston.....gal. .13 - —
Chicago .....gal. .1380- —
Detroit .....gal. .15 - —
Milwaukee .....gal. .1540- —
Minneapolis .....gal. .1530- —
Newark .....gal. .125 - —
New York.....gal. .12 - —
Philadelphia .....gal. .126 - —
Pittsburgh .....gal. .12½- —
St. Louis.....gal. .1470- —

Solvent, rubber, at refinery, California, San Francisco area, gal. .25½- —
East Coast, N. J., N. Y., tanks..gal. .11 - —
Group 3, tanks.....gal. .07½- .07⅛

Stoddard (CS 8-53), at refinery:—
California (San Francisco), tanks..gal. .11 - —
East Coast, N. J., N. Y., tanks..gal. .10 - —
Group 3, tanks.....gal. .06¾- —
Pennsylvania, western, tanks..gal. .07½- .07⅛
tankwagon, Baltimore...gal. .13 - —
Boston .....gal. .13 - —

Petroleum solvent, Stoddard, tankwagon, Chicago..gal. .13½- —
Detroit .....gal. .1540- —
Milwaukee .....gal. .1440- —
Minneapolis .....gal. .1450- —
Newark .....gal. .11 - —
New York.....gal. .11 - —
Philadelphia .....gal. .11 - —
Pittsburgh .....gal. .12½- —
St. Louis.....gal. .1270- —
Syracuse .....gal. .14 - —
Toluol, tanks, dlvd. E....gal. .37 - —
Xylol, tanks, dlvd. E....gal. .39 - —

Sulphonates, 65% sulphonic content, ref. dms., c.l., works..lb. .09½- —
l.c.l., works.....lb. .09½- .10½
tanks, works.....lb. .09¼- —
50% sulphonic content, ref. dms., c.l., works..lb. .09½- —
l.c.l., works.....lb. .09¼- .10½
tanks, works.....lb. .09¼- —
Phenobarbital, cns.....lb. 3.60 - 3.70
dms., 100 lbs.....lb. 3.50 - —
Phenol, 90-92% (cresol, 8-10%), dms., c.l., works, frt. equald..lb. .10 - —
l.c.l., same basis.....lb. .10¾- —
tanks, same basis.....lb. .09 - —
85-88% (cresol, 12-15%), dms., c.l., same basis..lb. .09½- .10¼
l.c.l., same basis.....lb. .10½- —
tanks, same basis.....lb. .09½- .09¾
USP, dms., c.l., same basis..lb. .11½- —
l.c.l. same basis.....lb. .12 - 13
tanks, same basis.....lb. .10½- —
Phenolphthalein, USP, bbls., dms., 2,000 lbs..lb. .85 - —
smaller lots.....lb. .87 - .92
Yellow, fib. dms., 2,000 lbs..lb. .80 - —
smaller lots.....lb. .82 - .87
Phenothiazin, NF, fib. dms., ton lots or more, works..lb. .49 - —
smaller lots, works.....lb. .54 - —
Phenylacetaldehyde, solution, 50%, bots..lb. 2.45 - 2.50
pure, bots.....lb. 4.00 - 4.00
Phenylethyl acetate, dms.....lb. 2.15 - 2.70
Phenylethylphenyl, acetate, bots. lb. 5.35 - 7.50
Phenylhydrazin, base, CP, bots.lb. 4.55 - —
Hydrochloride, CP, bots., works. lb. 7.10 - —
commercial, tgs., works...lb. 1.75 - —
Phloroglucinol, CP, fib. dms...lb. 13.75 -14.75
tech., fib. dms.....lb. 12.00 -13.50
Phosgene, ton lots, works.....lb. .19 - —
Phosphate, defluorinated (see under D).
Phosphate rock,[1] Fla., land pebble unground, run-of-mine, washed, dried, 68%-66% b.p.l., bulk, car at mine, c.l. long ton. 2.60 - —
70%-68%, same basis.. long ton. 3.00 - —
72%-70%, b.p.l., same basis..long ton. 3.60 - —
75-74%, b.p.l., same basis..long ton. 4.60 - —
77%-76%, b.p.l., same basis..long ton. 5.60 - —
entirely pebble, 50c. per ton higher than above prices.
Finely ground, 65.5% b.p.l., 30% P_2O_5 minimum..... short ton. 3.15 - —
68%, basis 31% P_2O_5 minimum..short ton. 3.35 - —
70%, basis 32% P_2O_5 minimum..short ton. 3.70 - —
Tennessee, brown, unground, run-of-mine, 70-68% b.p.l., 6½% i. & a., same basis.. long ton. 5.50 - —
72%-70%, b.p.l., 5½% i. & a., same basis..long ton. 6.00 - —
refinery ground, 29% P_2O_5, same basis..long ton. 5.15 - —
30% P_2O_5, same basis.... long ton. 5.35 - —
31% P_2O_5, same basis. short ton. 5.45 - —
32% P_2O_5, same basis.... short ton. 5.70 - —
33% P_2O_5, same basis.... short ton. 6.20 - —
Phosphorus, red, amorpheus, cs. lb. .40 - .44
tins, export.....lb. .55 - —
yellow, cns.....lb. .23 - .25
dms., c.l.....lb. .14½- —
Oxychloride, dms., c.l.....lb. .10¼- —
l.c.l., dms.....lb. .12½- .13
Pentoxide, dms., c.l., works, lb. .11 - .13
l.c.l., works.....lb. .13 - .14
Sesquisulphide, cs.....lb. .38 - .43
Trichloride, dms., c.l.....lb. .10½- —
l.c.l. .....lb. .12½- .13
Phthalamide, bbls., works.....lb. .35 - .40
bgs., works.....lb. .45 - .50
Phthalic anhydride, bgs., bbls., c.l., works, frt. alld. E. of Denver..lb. .13 - —
l.c.l., same basis.....lb. .14 - —
Picki leaves, bgs.....lb. .07 - .08
Picoline (see Alphapicoline and Betapicoline).
Picrotoxin, bots.....oz. 6.00 - —
Pilocarpine hydrochloride, USP, bots., vis..oz. 5.25 - 6.50
Nitrate, bots., vis.....oz. 5.15 - 6.25
Pimento, Jamaica, bgs.....lb. .24 - .24½
Pinetar, retort, dms., incl., c.l., works, dlvd. E..gal. .31 - .37½
l.c.l., works, dms. incl..gal. .32 - —
tanks, dlvd. E.....gal. .27 - .30
Pinkroot, bls.....lb. 1.10 - 1.15
Piperazine hexahydate, bots..lb. 16.00 - —
Pitch, burgundy (see E), Coaltar, 160° m.p., bbls., c.l., works..ton. 19.00 - —
l.c.l., works.....ton. 22.00 - —
Cottonseed, dms., works.....lb. .04 - .06
Hardwood, paper bgs., works.. lb. .03½- —
Linseed, dms.....lb. .05 - .05½
Petroleum (see Asphaltum, Mexican, Texas).
Pine, dms.....100 lbs. 6.50 - —
stands, 200 lbs.....stand. 6.00 - —
Soybean, dms., works.....lb. .04 - .06
Plaster of paris (see Gypsum).
Podophyllin, dms. .....lb. 10.50 -10.70
Pokeroot, bls.....lb. .19 - .20
Polystyrene, plain colors, dms., 30,000 lbs., works, frt. alld. lb. .32 - —
20,000 lbs., frt. alld.....lb. .33 - —
smaller lots, frt. alld....lb. .34 - .37
Water-clear, polystyrene, 1c. per lb. less than plain colors.
Pomegranate, root bark, bgs..lb. .75 - .76
Poppy flowers, bls.....lb. .69 - .70
Seed, Argentine, bgs.....lb. .24½- .26
Danish, bgs. .....lb. .26½- .27
Dutch .....lb. .28 - .28½
Indian, white, bgs.....lb. No stocks
Swedish, bgs. .....lb. .23½- .26
Turkish, bgs.....lb. .26 - .26

710 OIL 710 OIL 710 OIL

Makes

Tack-Free Varnishes

that are Hard yet Tough

710 OIL—the "activated" pure linseed oil—bodies rapidly and safely to produce varnishes which yield tack-free films that are both hard and tough.

710 OIL varnish films give Sward Rocker test results which place them in a hardness class with varnishes made from maleated oils. They are not as hard as tung oil or oiticica oil films, but they are much harder than normal linseed oil varnish or other oil varnish films.

710 OIL varnish films, while exhibiting good hardness, have Kauri Reduction values comparable to those of varnishes made from the softer oils.

710 OIL varnishes dry rapidly. On the average, properly processed and formulated *710 OIL* varnishes will "set to touch" in 2 hours, "dry to touch" in 5 hours and dry hard and tack-free to meet Federal Specification TT-V-121a.

710 OIL, when properly treated, yields varnishes suitable for a variety of uses, including spar, blending and reinforcing varnishes. It is exceptionally well suited for use in porch and deck paint vehicles.

Our technical staff will be glad to furnish you any further information about 710 OIL, supply you samples and consult with you on uses in your formulations.

NATIONAL LEAD COMPANY

New York 6, Buffalo 3, Chicago 80, Cincinnati 3, Cleveland 13, St. Louis 1, San Francisco 10, Boston 6 (National-Boston Lead Co.); Pittsburgh 30 (National Lead & Oil Co. of Penna.); Philadelphia 7 (John T. Lewis & Bros. Co.).

Potash abietate.....lb. .60 - —
Acetate, USP, dms.....lb. .58 - —
Arsenite, USP, solut., cbys., djns..lb. .13 - .15
Bicarbonate, USP, cryst., gran., bbls., dms..lb. .10 - .21
Bichromate,[1] bgs., c.l. works. lb. .10 - —
l.c.l., works.....lb. .10½- .10¾
Potash bichromate in bbls. ½c. higher.
Borate, gran., bbls., N. Y. or Chi...lb. .1018- —
Bromide, USP, gran., 500-lb. bbls., dms..lb. .35 - —
100-lb. kgs.....lb. .38 - —
Carbonate, calcined, bbls., c.l., works..lb. .06½- —
l.c.l., same basis.....lb. .06¾- —
hydrated, 82-85%, bbls., c.l., works..lb. .05½- —
dms., l.c.l., same basis..lb. .05¾- —
USP, gran., bbls., dms....lb. .14 - .20
powd., bbls., dms.....lb. .19 - .21
Caustic, low-chloride, 90% basis, flake, dms., c.l., works. 100 lbs. 9.21 - —
l.c.l., works....100 lbs. 9.65½- —
liquid, dms., c.l., works.... 100 lbs. 8.56 - —
l.c.l., works....100 lbs. 8.63½- —
tanks, works.....100 lbs. 8.06 - —
solid .....100 lbs. 8.56 - —
l.c.l., works.....100 lbs. 8.95½- —
regular, flake, 88-92%, dms., l.c.l., works.....lb. .07¼- .07½
liquid, 40% basis, dms., c.l., c.l., works..lb. .07 - —
works, frt. alld..lb. .03½- —
l.c.l., same basis.....lb. .03½- .06½
tanks, same basis.....lb. .02½- —
solid, 88-92%, dms., c.l., works..lb. .06¾- —
l.c.l. .....lb. .06½- .06¾
Chromate, bgs.....lb. .24 - .28
Chlorate,[1] cryst., kgs., c.l., works..lb. .11 - .11¾
l.c.l., works.....lb .119 - .13
powd., dms., kgs., c.l., works. lb. .09¾- —
l.c.l., works.....lb. .119 - .13
export, 1 to 10 tons, kgs., ex whse..lb. .16 - .18
Chloride, tech., cryst., 96%, bgs., kgs..lb. .06 Nom.
Citrate, USP, gran., bbls., dms. lbs. 33½- .35½
powd., 3c. per lb. higher.
Cyanide, dms., works.....lb. .55 - —
Fluoride, bbls.....lb. .34 - .40
Glycerophosphate, 75% solution, cns., cbys..lb. 1.65 - 1.67
dms., 1,000-lb. lots.....lb. 1.50 - —
100-lb. lots.....lb. 1.60 - —
Guaiacolsulphonate, NF, dms. lb. 1.65 - 1.75
Hydroxide, USP, sticks, dms.lb. .34 - .50
Hypophosphite, cns.....lb. .72 - .75
Iodate, bots., 5 lbs.....lb. 3.40 - —
cns., 25 lbs.....lb. 3.25 - —
Iodide, bots., cns.....lb. 1.44 - 1.48
dms. .....lb. 1.35 - 1.38
Manure salt, 22%, K_2O, Carlsbad, N. M..unit-ton. .20 - —
26% K_2O, same basis.unit-ton. .21 - —
Metabisulphite, gran., bbls..lb. .19 - .21
powd., bbls.....lb. .23 - —
Muriate, dom., 60-62-63% K_2O, bulk, ex-vessel, ports.... unit-ton. .53½- —
granular, 50 - 52% K_2O.... unit-ton. .53½- —

Domestic muriate of potash prices, basis f.o.b. Carlsbad, N. M., are 11.2c. per unit of K_2O less than ex vessel price, basis Trona, Cal.; 8c. per unit of K_2O less than ex vessel price at Pacific coast ports.

Nitrate (see Saltpeter).
Oxalate, neutral pure, gran., bbls., dms..lb. .37 - .50
tech. fine gran., bbls., dms. lb. .28 - .31
Perchlorate, kgs., works.....lb. .09¾- .11
Permanganate, tech., dms., works..lb. .19¾- .20¼
USP, dms., works.....lb. .20¼- .21
Persulphate, dms., c.l., works, lb. .16 - —
l.c.l., same basis.....lb. .20 - —
Prussiate, red, kgs.....lb. .50 - .60
Yellow, bbls.....lb. .16 - .17
Ricinoleate, tech., bbls.....lb. .18 - —
Silicate, glass, bgs., c.l., works. ton.200.00 - —
l.c.l. .....100 lbs.15.25 - —
solution, 29° Be, ret. drums, c.l., works..100 lbs. 4.25 - —
l.c.l., 5 or more, works. 100 lbs. 5.00 - —
1-4, works.....100 lbs. 5.50 - —
32° Be, ret. dms., c.l., works. 100 lbs. 4.75 - —
l.c.l., 5 or more, works. 100 lbs. 5.50 - —
1-4, works.....100 lbs. 6.00 - —
40.5° Be, ret. dms., c.l., works..100 lbs. 5.75 - —
l.c.l., 5 or more, works 100 lbs. 6.50 - —
1-4, works.....100 lbs. 7.00 - —
Sulphate, NF, gran.....lb. .14 - .20
powd., bbls.....lb. .15 - .2
tech., dom., bulk,[9] basis 90-95% K_2SO_4, min. 90% ex vessel Atlantic or Gulf ports..ton.38.25 - —
West coast potash ports, same basis..ton.39.25 - —
Sulphocyanide, cryst., N.F., dms...lb. .63 - .70
Tricyanate (see Potash sulphocyanide)
Xanthate, dms., c.l.....lb. .12 - —
Potash-gold cyanide, 41% gold, bots., works..oz.14.20 -14.90
Potash-magnesia sulphate,[9] bulk, min., 40% K_2SO_4, 18.50% MgO, ex vessel, ports..ton.36.00 - —
Potash-soda ferricyanide, kgs works lb .40 - .45
Potash-titanium oxalate, bbls., dms..lb. .45 - .50
Prickly ash bark, bls.....lb. .40 - .45
Berries, bgs.....lb. .20 - .21
Prince's pine herb, bls.....lb. .50 - .65
Procaine hydrochloride, cns., 100-lb. lots..lb. 4.00 - —
smaller lots.....lb. 4.25 - 4.75
Propane,[4] industrial grade, tanks, Group 3..gal. .08¾- —
Propyleneglycol, dms., c.l., frt. alld. in E..lb. .15½- —
l.c.l., same basis.....lb. .16½- —
tanks, same basis.....lb. .14½- —
Psyllium seed (see Fleaseed).
Pulsatilla, bls.....lb. .60 - .65
Pumice,[1] grd., fine, bgs., ton lots. lb. .05½- —
smaller lots.....lb. .05½- .06
coarse, 0%, 1, 1½, 2, 3, bgs., ton lots..lb. .03¾- —
smaller lots.....lb. .03¾- .04½
Chi., ton lots.....lb. .04½- —
Pumice in bbls. is ½c. per lb. higher
Pumpkin seed, bgs.....lb. .27 - .30
Purple laka (see Red).

Putty, com'l, dms.....100 lbs. 5.15 - —
linseed oil, raw, dms....100 lbs. 5.00 - —
refined, dms.....100 lbs. 5.50 - —
standard, dms.....100 lbs. 4.95 - —
Pyrethrum,[2] concentrate, dewaxed, 20% for aerosol bombs, dms., works..lb. 9.25 - 9.30
liquid (20 to 1), basis 2 grams pyrethrins for 100 cc., dms., regular base, works..gal. 5.05 - —
odorless base, dms., works. gal. 6.75 - —
(30 to 1), base 3 grams pyrethrins, per 100 cc., bbls., works..gal.10.00 - —
Flowers, fine-grd., 0.9% pyrethrins, bbls., works..lb. .33¾- —
powder, 0.6% pyrethins, bbls., works..lb. .25 - —
Pyridin, denaturing, ret. dms., works, frt. equald..gal. 1.65 - 1.90
redd., 3°, ret. dms., same basis. lb. .65 - .65½
Pyrites, Spanish, c.i.f. Atl. ports. ton ton. 8.50 -10.00
Pyrocatechin (see Catechol).
Pyrophyllite, standard, #30 mesh, c.l., bulk, mines..ton.10.00 -11.50
325 mesh, same basis....ton.12.00 -13.00
No. 3, 200 mesh, c.l., mines. ton. 9.50 - —
325 mesh, same basis.....ton.11.50 - —
Pyrophyllite in paper bgs., $1.50 per ton extra.
Pyroxylin, scrap, opaque, amber, cs., works..lb. .17 - —
black, cs., works.....lb. .17 - —
gray, cs., works.....lb. .17 - —
mixed, mottled, cs., wks.lb. .14 - —
Pyroxylin scrap, opaque, white, China, ivory, cs., works. lb. .17 - —
dense, cs., works.....lb. .17 - —
translucent, pastels, cs., works..lb. .17 - —
transparent, cs., works....lb. .19 - —
colors, cs., works.....lb. .17 - —
shavings, amber, cs., works.. lb. .17 - —
mixed colors, cs., works..lb. .14 - —
white, cs., works.....lb. .17 - —

Q

Quassia chips, bls.....lb. .08 - .30
Quebracho extract,[1] solid, 62% tannin, bgs., c.l., ex dock. in bond..lb. .068125- .06825
clarified, 64% tannin, bgs., c.l., same basis..lb. .068125- .070625
dissolved, 35% tannin, bbls., works..lb. .04575- .0555
tanks, works.....lb. .04075- —
ground, 70% tannin, bgs., c.l. lb. .069 - —
l.c.l. .....lb. .0915- —
Quebracho extract prices based on $13 freight and $1 insurance per long ton.
Queen of the meadow root, bgs. lb. .12 - .15
Quercitron, crystals, bbls.....lb. .22 - —
extract, bbls., No. 1.....lb. .12 - —
solid, bxs. .....lb. .23 - —
Quicksilver, flasks (76 lbs. net).. flask.98.00 -100.00
Quince seed, bgs.....lb. 1.30 - 1.75
Quinidine,[6] NF V, cryst., cns.oz. No stocks
powd., precip., cns.....oz. No stocks
Sulphate, USP, cns.....oz. No stocks
Quinine,[6] NF, cns., 100 cns...oz. No stocks
Acetate, cns., 100 cns.....oz. No stocks
Arsenate, cns., 100 cns.....oz. No stocks
Arsenite, cns., 100 cns.....oz. No stocks
Bisulphate, USP, cns., 100 cns. oz. No stocks
Dihydrobromide, bots., 50 cns.. oz. No stocks
Citrate, cns., 100 cns.....oz. No stocks
Ethylcarbonate, USP, cns., 100 cns..oz. No stocks
Ferrocyanide, cns., 100 cns.oz. No stocks
Formate, cns., 100 cns.....oz. No stocks
Glycerophosphate, cns., 100 cns. oz. No stocks
Hydrochloride, USP, cns., 100 cns..oz. .89½- —
Hydrochlorosulphate, cns., 100 cns..oz. No stocks
Hydriodide, cns., 100 cns..oz. No stocks
Hypophosphite, cns., 100 cns.oz. No stocks
Phosphate, NF, cns., 100 cns.oz. No stocks
Salicylate, NF, cns., 100 cns. cns..oz. No stocks
Sulphate, USP, cns., 100 cns.oz. .89½- —
Sulphocarbolate, cns., 100 cns.. oz. No stocks
Tannate, USP X, cns., 100 cns. oz. No stocks
Tartrate, cns., 100 cns.....oz. No stocks
Valerate, NF IV, 100 cns...oz. No stocks
Quinine-urea hydrochloride,[6] USP. cns..oz. No stocks
Quinoline, dms., c.l., works...lb. .36½- .38

R

R salt, dry, bbls.....lb. .65 - —
paste, dms.....lb. .52 - —
Raspberries, dried, bls.....lb. 1.75 - 1.80

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Red, alizarin lake, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. R., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis...lb. 1.10 - 1.80

Prices ½c. per lb. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1½c.); Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1½c.) (El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c. per lb. higher dlvd. Pacific Coast prices equaled with Chicago dlvd. Denver, Pueblo, Salt Lake City, Wichita.

Cadmium lithopone, deep shade, bbls., E. Rockies..lb. 1.00 - —
light shade, bbls., same basis..lb. .95 - —
medium shades, bbls., same basis..lb. .90 - —
Red cadmium lithopone, all shades, in smaller pgkgs., 5c. per lb. higher.

Selenide, dark, bbls., works.. lb. 2.50 - —
light, same basis.....lb. 2.20 - —
Orange (see Orange).

Carmine, No. 40, dms., 100-lb. lots, works..lb. 4.60 - —
smaller lots, same basis..lb. 4.75 - 5.25

Cerous Martis (see Red, purple oxide).

Dyes (see Dyes, coaltar).

Resin toner, bbls., works....lb. 1.35 - —

Firetoner, dom., bbls., works.lb. .85 - —

Indian, dom., pure, bls., Bethlehem, Easton, E. St. Louis, N. Y..lb. .09½- —
60-65%, bbls., same basis.lb. .06½- —
imp., English, all shades..lb. .12 - —

Iron oxide, pure, bbls.....lb. .09 - .09½
reduced, 65% copperas oxide, bbls., l.c.l., Bethlehem, Pa.; Copley, O.; Easton, Pa., and E. St. Louis..lb. .06½- —
50% copperas oxide, bbls., same basis..lb. .065 - .066

Lacquer, maroon, bbls., wks. lb. 1.35 - —

Lake C toner, alizarin, bbls., works..lb. .90 - —

Lithol toner, alizarin, lake, bbls., works..lb. .90 - —
Pink, bbls., works.....lb. .20 - .25
Rose lake, bbls., works....lb. .25 - .30

Lithol-rubin toner, alizarin lake, bbls., works..lb. 1.10 - —

Maroon, alizarin lake 25% kgs., works..lb. .40 - —

Cadmium, bbls., works....lb. 1.10 - —
deep, bbls., same basis..lb. 1.20 - —
Maroon, in smaller pkgs., 5c. per lb. higher.

Mercury oxide, tech., bbls., 10,000 lbs., works..lb. 2.00 - —
smaller lots, works....lb. 2.02 - —

Metallic, bbls., works.....lb. .02 - —
Oxide (see Red, iron oxide).

Para toner, concent., alizarin lake, kgs., works..lb. .75 - —

Persian (see Orange).

Phloxin toner (see Red, eosin toner).

Phosphotungstic, rhodamine, Y, kgs., works..lb. 4.15 - —

Purple lake, kgs.....lb. 1.00 - —

Scarlet ink toner, kgs., works, lb. .55 Nom.

Spanish oxide, grade 1, c.l., bbls..lb. .04½- .07½

Toluidin toner, alizarin lake, kgs., works..lb. 1.05 - —

MNPT maroon toner, kgs., works..lb. 3.25 - —

Turkey, bbls., works.....lb. .14½- —

Tuscan, bbls., E. St. L.....lb. .11 - —

Venetian, 5%, bbls., wks....lb. .0250- —
10%, bbls., works.....lb. .0345- —
15%, bbls., works.....lb. .0265- —
20%, bbls., works.....lb. .02½- —
25%, bbls., works.....lb. .03 - —
30%, bbls., works.....lb. .03½- —
35%, bbls., works.....lb. .0360- —
40%, bbls., works.....lb. .04 - —

Vermillion, Amer., bbls.....lb. .25 - .40
Quicksilver, bbls.....lb. 2.50 - 2.65

Red precipitate, NF, powd., 8% dms..lb. 2.77 - 2.79

Red saunders wood grd., bbls.lb. .85 - —

Resorcinol, tech., dms., works.lb. .94 - .74
USP cryst., dms. frt. alld..lb. 1.60 - —

Rhatany root, bgs.....lb. .13 - .14

Rhubarb, whole, cs.....lb. 1.35 - 1.90
powd., bbls.....lb. 1.95 - 2.00

Riboflavin, bots.....kile.200.00 - —

Rice bran concentrate, dms., Cedartown, Ga., or Emeryville, Calif., seller's option. lb. .79 - —

Rochelle salt, gran. powd.; bbls., 5,000 lbs., 1 ship't..lb. .28½- —
smaller lots.....lb. .29 - .42

Rose flowers, pale, bls.....lb. .33 - .34

Rosemary flowers, bls.....lb. 1.55 - 1.65
Leaves, Portuguese, bls.....lb .09½- .10
Spanish, bls.....lb .12½- .13

Rosin, gum—
B, dms., c.l.....100 lbs. 6.88 - —
D, dms., c.l.....100 lbs. 6.88 - —
E, dms., c.l.....100 lbs. 7.53 - —
F, dms., c.l.....100 lbs. 7.53 - —
G, dms., c.l.....100 lbs. 7.63 - —
H, dms., c.l.....100 lbs. 7.63 - —
I, dms., c.l.....100 lbs. 7.73 - —
K, dms., c.l.....100 lbs. 7.73 - —
M, dms., c.l.....100 lbs. 7.73 - —
N, dms., c.l.....100 lbs. 7.78 - —
WG, dms., c.l.....100 lbs. 7.78 - —
WW, dms., c.l.....100 lbs. 7.83 - —
X, dms., c.l.....100 lbs. 7.83 - —
Wood, B (resin), dms., c.l., works..100 lbs. 4.60 - —
FF, dms., c.l., works.100 lbs. 5.50 - —
G, H, I, dms., c.l., works.. 100 lbs. 5.95 - —
K, dms., c.l., works..100 lbs. 6.00 - —
M, dms., c.l., works..100 lbs. 6.05 - —
N, dms., c.l., works..100 lbs. 6.15 - —
WG, dms., c.l., works.100 lbs. 6.25 - —
WW, X, dms., c.l., works... 100 dms. 6.40 - —

Rotenone,[1] bbls., works.....lb.12.05 -14.50
extract, liq., dms., works..... per unit. 1.15 - —
powder (see Cube root).

Rottenstone,[1] bgs., c.l., mines.. ton.25.00 - —
c.l., mines.....ton.27.50 - —

Rue, bls.....lb. .45 - .50

S

Sabadilla seed, powd., bbls....lb. .55 - .70
activated, ground with lime, bbls..lb. .25 - .50

Saccharin,[1] soluble and insoluble, 1,000 lbs. and up..lb. 1.30 - 1.35
smaller lots.....lb. 1.40 - 1.60

Saffron, Mexican, bls.....lb. 1.55 - 1.60
Spanish, USP, tins.....lb.39.00 -40.00
not USP, tins.....lb.38.75 -39.00

Safrol, cns.....lb. 1.10 - 1.15

Sage, leucophylla, bgs., Pacific coast..lb. .22 - .23
Cyprus, good, bls.....lb. .19 - .19½
fair, bls., futures.....lb. .18 - .18½
Dalmatian, bls., futures....lb. .37½- .38
Greek, bls.....lb. .20 - .20½
Palestine, bls.....lb. .16 - .16½
Spanish, bls.....lb. .12½- .13½
Washington, Dalmatian-type, bls..lb. .40 - .41

Sago flour, bgs.....lb. .14 - —
Salicin, bots., 5 lbs.....lb. No stocks
cns., 25 lbs.....lb. No stocks

Saligenin, dms., works.....lb.15.00 -20.00

Salol, gran., bbls., kgs.....lb. .20 - —
fib. dms.....lb. .22 - .26
Powdered salol, 10c. higher.

Salt, rock, bgs., c.l.....ton.14.20 - —
l.c.l., bgs.....ton.17.20 -18.00
vacuum, common, fine, bgs., c.l..ton.15.70 - —
l.c.l. .....ton.19.00 -20.20

Saltcake, dom., bulk, works..ton.15.00 - —
Chrome (see Chrome cake).

Saltpeter, dbl. ref., gran., bbls., 10 ton lots..100 lbs. 8.20 - —
smaller lots.....100 lbs. 8.35 - 8.60
powd., bbls., 10-20 ton lots.. 100 lbs. 9.20 - —
smaller lots.....100 lbs. 9.35 - 9.60

Sanguinarine nitrate, bots....oz. 3.75 - —

Santonin, cryst., powd., cns.kilo.170.00-185.00

Saponin, No. 1, cns.....lb. 1.75 - 1.90
No. 2, cns.....lb. 1.40 - —

Sarsaparilla root, dom., bls..lb. .45 - .50
Honduras, bls.....lb. .45 - .47
Mexican, bls.....lb. .23 - .28

Sassafras bark, ord., bls.....lb. .45 - .50
select, bls.....lb. .65 - .75

Savory, Calif., bls.....lb. .75 - .76
Spanish, bls.....lb. .23 - .23½

Saw palmetto berries, bgs....lb. .20 - .21

Scammony resin, lump, cns....lb. 1.80 - —
powd., cns.....lb. 1.85 - —
Root, bgs.....lb. .09 - .10

Schaeffer's salt, bgs. .....lb. .46 - —

Seidlitz mixture, bbls., 5,000 lbs., 1 shipment..lb. .30½- —
smaller lots.....lb. .31½- —
bags, 5,000 lbs., 1 ship't..lb. .31½- —
smaller lots.....lb. .31½- —

Selenium, pwd., cns., 10 lb. lots.. lb. 1.85 - —
cs., 1,000 lb. lots.....lb. 1.75 - —

Senega root, bls.....lb. 2.30 - 2.35

Senna, Alex., half-leaf, bls....lb. .20 - .21
siftings, bgs. .....lb. .18 - .19
Tinnevelly, No. 1, bls.....lb. .24 - .25
2, bls.....lb. .22 - .23
3, bls.....lb. .19 - .20
powd., bbls., bgs.....lb. .24 - .25
Pods, bls. .....lb. .13 - .14

Serpentaria root, bls.....lb. 2.25 Nom.

Shellac, bleached, bonedry, bbls., 1,500-lb. lots..lb. .71½- .72
Boston .....lb. .72½- .73
Chicago .....lb. .73 - .74½
Pacific coast.....lb. .74½- .75½
refined, bbls., 1,500-lb. lot. lb. .78½- .79½
Boston .....lb. .79½- .80½
Chicago .....lb. .80 - .81½
Pacific coast.....lb. .81½- .83½

Bonedry shellac sales of less than 1,500 lbs., at following additions to prices: (1) packed in bgs., ¾c., per lb.; (2) bbls., 1c. more; (3) kgs., 3c. more.

Superfine, 100 bgs., Boston, N. Y..lb. .70 - .75
Chicago .....lb. .71½- .75½
Pacific coast.....lb. .73 - .77

TN, 100 bgs., Boston, N. Y.lb. .68 - .72
Chicago .....lb. .69 - .70
Pacific coast.....lb. .70½- .71½

Shellac in cs., 2c. higher. Shellac sales 1 bg. or 1 cs., 5c. additional; 1 to 9 bgs. or cs., 2c. more; 10 to 99 bgs., cs., 1c. more

Silica, amorph., dry-grd., 325 mesh, bgs., c.l., Ill. works.. ton.17.00 - —
l.c.l., works.....ton.20.00 - —
400 mesh, bgs., c.l., works.. ton.18.00 - —
l.c.l., works.....ton.19.00 -20.00
wet-grd., 325 mesh, bgs., c.l., works..ton.18.00 - —
l.c.l., same basis....ton.21.00 - —
400 mesh, bgs., c.l., works. ton.20.00 - —
l.c.l., works.....ton.35.00 -45.00
99%-99%, 325 mesh, bgs., c.l., wks..ton.20.00 - —
l.c.l., works .....ton.21.50 -22.00
99%, 325 mesh, bgs., c.l., works..ton.30.00 - —
l.c.l., works.....ton.32.00 -35.00
hard-quartz, 99½%, 325 mesh, bgs., c.l., works.....ton.15.50 - —
l.c.l., works.....ton.16.50 - —
140 mesh, bgs., c.l., works, ton.11.00 - —
l.c.l., works.....ton.16.00 - —

Silicon tetrachloride, tech., dms., c.l., works..lb. .18½- —
l.c.l., works.....lb. .18½- .27

Silver bullion, foreign.....oz. 90½- —
Cyanide, cns., 100 ozs.....oz. 60½- —
Nitrate, cns., 100 ozs., bots., 2,500-oz. lots..oz. .60 - —
1,000-oz. lots.....oz. .60½- —
smaller lots.....oz. .61 - .65½

Noucleinate, USP, bots., dms., 1,000-oz. lots..oz. .36 - —

Proteinate, USP, bots., dms., 1,000-oz. lots..oz. .288 - —

Simarubra bark, bls.....lb. .37 - .38

Skullcap, Eastern, bls.....lb. .60 - .65
Western, bls. .....lb. .50 - .55

Skunk cabbage root, bls.....lb. .45 - .50

Slate flour, bgs., c.l., works.ton.11.00 -12.00
l.c.l., works.....ton.12.00 -13.00

Sloe berries, ogs.....lb. .40 - .41

Smalt, black, etns.....lb. .05 - .06
Blue, etns.....lb. .07 - .08½

Snakeroot, Canada, bls.....lb. .65 - .70

Soapbark, bls.....lb. .23 - .25
crushed, bls., bbls.....lb. .33 - .34
cut., dom., bls., bbls.....lb. .33 - .34
imp., bbls.....lb. No stocks
powd., bbls.....lb. .31 - .32

Soda acetate, anhyd., dms., dlvd. lb. .08½- .10
NF, cryst., bbls., kgs.....lb. .14 - .16
tech., 60%, l.c.l., dlvd.....lb. .05½- .06

Alginate, refined, water-soluble, bbls., works..lb. .72 - —
semi-refined, bbls., works..lb. .42 - —
white, powd., dms.....lb. 1.50 - 1.60

Aluminate, for water treat., bgs., c.l., works..100 lbs. 7.50 - —
l.c.l., works.....100 lbs. 8.40 - —
other uses, bgs., c.l., works.. 100 lbs. 7.00 - —
l.c.l. .....100 lbs. 7.50 - 8.00

Antimoniate, bbls., dlvd.....lb. .16 - .16½

Arsenate, dms., dealers, c.l. works..lb. .06½- —
l.c.l., works.....lb. .10½- .11¼

Soda arsenite, grey, dms., dealers, c.l., works..lb. .06¼- —
l.c.l., works.....lb. .09 - .10

Soda arsenite, gray, ¼c. higher in Chi.; 2c. higher in Houston, Tex., and Palo Alto, Calif.

Ash, dense, 58%, bgs., c.l., works..100 lbs. 1.15 - —
l.c.l., dlvd., zone 1.... 100 lbs. 2.13 - —
2 .....100 lbs. 2.23 - —
3 .....100 lbs. 2.53 - —
4 .....100 lbs. 2.98 - —
bbls., c.l., works, zone 1.. 100 lbs. 1.25 - —
l.c.l., zone 1.....100 lbs. 1.35 - —
2 .....100 lbs. 2.50 - —
3 .....100 lbs. 2.75 - —
4 .....100 lbs. 3.15 - —
bulk, c.l., works...100 lbs. .95 - —
extra light, 58%, bgs., c.l.... 100 lbs. 1.18 - —
l.c.l., dlvd., zone 1..... 100 lbs. 2.13 - —
2 .....100 lbs. 2.23 - —
3 .....100 lbs. 2.53 - —
4 .....100 lbs. 2.98 - —
bbls., c.l., works.....100 lbs. 1.45 - —
l.c.l., dlvd., zone 1..... 100 lbs. 2.45 - —
2 .....100 lbs. 2.60 - —
3 .....100 lbs. 2.95 - —
4 .....100 lbs. 3.35 - —
bulk, c.l.....100 lbs. .90 - —
light, 58%, bgs., c.l., works.. 100 lbs. 1.05 - 1.15
l.c.l., dlvd., zone 1..... 100 lbs. 2.13 - —
2 .....100 lbs. 2.23 - —
3 .....100 lbs. 2.53 - —
4 .....100 lbs. 2.98 - —
bbls., c.l., works...100 lbs. 1.30 - —
l.c.l., dlvd., zone 1..... 100 lbs. 2.35 - —
2 .....100 lbs. 2.50 - —
3 .....100 lbs. 2.75 - —
4 .....100 lbs. 3.15 - —
bulk, c.l.....100 lbs. .90 - —

Soda ash sales zones are:—(1) All States E. of Miss. R. and N. of south bound. of Ky. and Va.; also Ala., La., and Miss. S. of 31°, Tex. E. of 100°, S. of 31° Fla.; also Mo., N. H., and Vt., in which there are special county zones; Davenport, Ia., and St. Louis; (2) Ark., E. of 95° Okla.; Iowa (except Davenport), Minn.; Mo. (except St. Louis), Neb. E. of 98°, N. C., S. C., Tenn. and Tex. N. of 31° and E. of 100° (except Wichita Falls); also Ala., La. and Miss. No. of 31°; (3) Ark. W. of 95°, Kans., Neb., W. of 98°, N. D., Okla., S. D., Tex., W. of 100° (including Wichita Falls excluding El Paso); (4) Ariz., Colo., Idaho, Mont., Nev., N. M., Utah, Wyo., and El Paso, Tex.

Soda benzoate, tech., bbls., 2 tons or more..lb. .30 - —
smaller lots.....lb. .40 - .41
USP, dms., 2 tons or more.lb. .44 - —
smaller lots.....lb. .47 - .53

Bicarbonate, tech., bgs., c.l., works..100 lbs. 1.55 - —
l.c.l., works.....100 lbs. 1.90 - —
USP, gran., bgs., c.l., works.. 100 lbs. 2.10 - —
l.c.l. .....100 lbs. 2.45 - —

Bichromate,[1] bgs., c.l., works. lb. .07½- —
l.c.l., works.....lb. .07½- .08½
Soda bichromate, in bbls., ½c. higher.

Bifluoride, bbls., c.l., frt. alld. lb..lb. .11½- —
l.c.l., same basis.....lb. .12 - .14
kgs., same basis.....lb. .12½- .14

Bisulphite, powd., bbls., c.l., works..100 lbs. 3.00 - 3.10
l.c.l., works.....100 lbs. 3.50 - 3.60
solut., 22°, bbls., c.l., works, 100 lbs. 1.30 - —
l.c.l., works.....100 lbs. 1.55 - —
30° bbls., c.l., works..100 lbs. 1.35 - —
l.c.l., works.....100 lbs. 1.60 - —
35°, bbls., c.l., works.100 lbs. 1.40 - —
l.c.l., works.....100 lbs. 1.65 - —
40°, bbls., c.l., works.100 lbs. 1.55 - —
l.c.l., works.....100 lbs. 1.80 - —

Bromide, USP, gran., bbls., 500 lbs., works..lb. .25 - —
fiber dms., 100 lbs., works, lb. .30 - —

Cacodylate, bots.. dms.....lb. 3.50 -10.50

Carbonate (see Soda ash, Soda monohydrate Soda sal).

Caustic, flake, powd., 76%, dms., c.l., works..100 lbs. 2.70 - —
l.c.l., Zone 1, dlvd.100 lbs. 3.50 - —
2, dlvd.....100 lbs. 3.70 - 3.95
3, dlvd.....100 lbs. 3.95 - 4.20
4 dlvd.....100 lbs. 4.35 - 4.70
liquid, 47-49%, buyer's tanks, works..100 lbs. 1.92½- —
seller's tanks, works. 100 lbs. 1.95 - —
70%, buyer's tanks, works. 100 lbs. 1.97½- —
seller's tanks, works. 100 lbs. 2.00 - —
solid, 76%, dms., c.l., works. 100 lbs. 2.50 - —
l.c.l., zone 1, dlvd..100 lbs. 3.15 - —
2, dlvd.....100 lbs. 3.30 - —
3, dlvd.....100 lbs. 3.55 - —
4, dlvd.....100 lbs. 3.95 - —
Caustic soda zones are same as soda ash.

Chlorate, cryst., bgs., c.l., works..lb. .06½- —
l.c.l., works.....lb. .06½- —
powd., kgs., c.l., works....lb. .06½- —
l.c.l., works.....lb. .07 - .08½

Chloride (see Salt).

Chromate,[1] bbls., cks., c.l., works, frt. equald..lb. .09½- —
l.c.l., works, frt. equal..lb. .09½- .09¾
Soda chromate in bgs. is ½c. less.

Citrate, USP VIII, bbls.....lb. .18½- —
dms. .....lb. .19½- .22½
USP XII, gran., bbls.....lb. .24 - —
dms. .....lb. .25 - .29
powd., bbls.....lb. .24½- —
dms. .....lb. .25½- .29½

Cyanide, 96-98%, dms.....cb. .14½- .15

Diacetate, 38-35% acidity, bbls., dlvd..lb. .09½- .10½
anhydrous, dms., dlvd.....lb. .12½- —

Fluoride, white, 90%, bbls., c.l., works..lb. .07 - —
l.c.l., works.....lb. .08 - —
95%, bbls., c.l., works...lb. .07½- —
l.c.l., works.....lb. .08½- —
Soda fluoride prices at Los Angeles are f.a.s. works.

Formate, bgs., c.l., works..lb. .0635- —
l.c.l., works.....lb. .068 - —

Glutamate, monobasic, kgs..lb. 1.04 - 1.06

Glycerophosphate, NF, cryst., bbls..100 lbs. 1.25 - —
dms. .....lb. 1.40 - —
powder, 5c. higher.
solution, 50%, cbys., tns...lb. .82 - .90

Hydrosulphite, dms., c.l., frt. alld..lb. .19½- —
l.c.l., frt. alld.....lb. .18 - —

Soda hydroxide, USP, sticks, dms. lb. .67 - .70
c.l., works..100 lbs. 3.00 - —

Hypophosphite, NF, cns.....lb. .67 - .70

Hyposulphite, cryst., bgs., c.l., works, frt. equald..100 lbs. 2.25 - —
l.c.l., same basis...100 lbs. 2.50 - —
pea, cryst., bgs., c.l., works. 100 lbs. 2.60 - —
Soda, hyposulphite, crystals, in bbls., 20c. higher; pea crystals, dms., 50c. higher.

USP, cryst., bbls.....lb. .10 - .12

Iodate, dms., jars.....lb. 5.40 - 5.45

Iodide, bots.....lb. 2.85 - 2.87
dms., jars.....lb. 2.62 - —

Mandelate, dms.....lb. 3.25 - 3.35

Metaborate, gran., bbls., c.l., dlvd..lb. .0435- —
l.c.l., N. Y., or Chi....lb. .051 - —
bgs., c.l., dlvd.....lb. .0495- —
l.c.l., N. Y., or Chi....lb. .044 - —

Metasilicate, kgs.....lb. .48 - —

Metasilicate, anhyd., dms., c.l., works, frt. equald.... 100 lbs. 4.60 - —
l.c.l., same basis...100 lbs. 4.90 - 5.50
gran., bbls., c.l., works, frt. equald..100 lbs. 2.30 - —
l.c.l., dlvd..... ....100 lbs. 2.50 - 2.85

Methylate, bots., works.....lb. 1.00 - —
cns., works.....lb. .85 - .90
dms., works.....lb. .65 - .68

Molybdate,[1] anhyd., kgs., works. lb. .47 - —
crystals, bgs., works.....lb. .50 - —

Monohydrate, bgs., c.l..100 lbs. 2.35 - —
works .....100 lbs. 2.45 - —

Naphthionate, bbls.....lb. .50 - —

Nitrate, crude, dom., 100-lb. bgs., c.l., works..ton.20.00 - —
bulk, c.l., works.....ton.27.00 - —
refd, gran., bbls., 10 tons. 100 lbs. 2.60 - —
smaller lots.....100 lbs. 2.75 - 4.00
imp., 100-lb. bgs., c.l., Atl. Gulf, Pac. whse..ton.23.00 - —
200-lb. bgs., same basis. ton.22.40 - —
bulk, same basis.....ton.20.00 - —

Nitrite, 96-98%, bbls., c.l., works, frt. equald..lb. .09¾- —
west coast ports..100 lbs. 3.00 - 3.05
l.c.l., dlvd.....100 lbs. 3.20 -11.00

Orthosilicate, anhyd., dms., c.l., works, frt. equald. 100 lbs. 4.50 - —
l.c.l., same basis..100 lbs. 5.45 - 5.80

Oxalate, neut., bgs., works..lb. .16 - —

Pantothenate, dextrorotary, 100-gram bots..per gram. .10 - —

Pantachlorophenate, briquets, bgs., works, frt. equald..lb. .17 - .18

powd., bgs., c.l., works, frt. equald..lb. .16 - .16½
l.c.l., works, frt. equald.lb. .17 - —
kgs., l.c.l., works, frt. equald..lb. .12 - —

Perborate, NF, bbls., c.l., works..lb. .14½- —
l.c.l., works.....lb. .15½- —

Peroxide, dms., c.l., dlvd. E. of Miss..lb. .14 - —
smaller lots.....lb. .17 - —

Phosphate, dibasic, tech., anhyd., bgs., c.l., works..100 lbs. 6.00 - 6.20
l.c.l., works.....100 lbs. 6.40 - 6.75
cryst., bgs., c.l., works.. 100 lbs. 2.55 - 2.70
l.c.l., works.....100 lbs. 2.85 - 3.45

USP XII, dried, bbls., dms., works..lb. .180 - —
monobasic, anhydrous, bgs., c.l., works..100 lbs. 7.25 - 8.25
l.c.l., works.....100 lbs. 7.65 - 9.00
tribasic, anhydrous, bgs., c.l., works, frt. equald.100 lbs. 6.00 - 6.80
l.c.l., same basis.100 lbs. 6.50 - 7.00
cryst., bgs., c.l., works.... 100 lbs. 2.70 - —
l.c.l., same basis..100 lbs. 3.10 - —
kgs., c.l., works....100 lbs. 3.40 - —
l.c.l., works.....100 lbs. 3.80 - —

Soda phosphate in bbls. 20c. higher. USP (see Sodium phosphate, dibasic).

Prussiate, yellow, bgs.....lb. .19¾- —
bbls. .....lb. .11 - —

Pyrophosphate, ferric, dms., 10,000 lbs., works...lb. .22 - —
smaller lots, works.....lb. .23½- —
tetra-basic, anhydrous, bgs., c.l., works, frt. equald.. 100 lbs. 5.35 - —
l.c.l., same basis.100 lbs. 5.40 - 5.75

Ricinoleate, tech., bbls.....lb. .12 - —

Sal, bgs.....100 lbs. 1.35 - —
works .....100 lbs. 1.10 - —
bbls. .....100 lbs. 1.40 - —
works .....100 lbs. 1.20 - —

Salicylate, dms.....lb. .52 - .54

Sesquicarbonate, bgs., c.l., wks. 100 lbs. 1.50 - —

Phosphate, dibasic, tech., Sesquicarbonate, bbls., c.l., works..100 lbs. 1.70 - —
l.c.l., zone 1, dlvd....100 lbs. 2.70 - —
2, dlvd.....100 lbs. 2.85 - —
3, dlvd.....100 lbs. 3.10 - —
4, dlvd.....100 lbs. 3.50 - —
Soda sesquicarbonate l.c.l. price zones are same as those for soda ash.

Sesquisilicate, dms., c.l., works. 100 lbs. 3.65 - —
l.c.l., dlvd.....100 lbs. 4.20 - 4.45

Silicate, 40°, turbid, dms., c.l., works..100 lbs. .80 - —
l.c.l., works.....100 lbs. 1.05 - 1.20
tanks, works.....ton.13.00 - —
52°, turbid, dms., c.l., works, 100 lbs. 1.40 - —
l.c.l., works.....100 lbs. 1.65 - 1.80
tanks, works.....ton.25.00 - —

Silicofluoride, bbs., c.l., works. lb. .06½- .07
l.c.l., works.....lb. .07 - .07½

Stannate, dms., works, frt. alld. lb..lb. .32½- .36½

Stearate, bbls., works.....lb. .19 - .34

Sulphate, NF, dried, powd., bbls..lb. .07 - .07½
tech., anhyd., bgs., c.l., wks. 100 lbs. 1.70 - —
l.c.l., works.....100 lbs. 1.95 - 2.20
cryst. (see Glauber's salt).

USP, cryst., gran., bbls....lb. .07 - .10

Sulphide, cryst., bbls., c.l., works..100 lbs. 2.40 - —
l.c.l., dlvd. .....100 lbs. 2.90 - 3.15
solid, bbls., c.l., works.100 lbs. 2.15 - —
l.c.l., dlvd. .....100 lbs. 2.65 - 2.90

Sulphite, cryst., bgs., c.l., works..100 lbs. 2.10 - —
l.c.l., works .....100 lbs. 2.35 - —
bbls., c.l., works.....100 lbs. 2.30 - —
l.c.l., works.....100 lbs. 2.55 - —
powd., bbls., c.l., works.... 100 lbs. 2.25 - —
l.c.l., works.....100 lbs. 2.50 - 2.60

Sulphocarbolate, USP IX, gran., bbls., dms..lb. .28 - .33
powd., bbls.....lb. .30 - .35

Sulphocyanide, CP, dms.....lb. .55 - .65

Sulphohydrate, liquid, 65%, dms., c.l., works, 100% basis. lb. .09 - —
l.c.l., works.....lb. .09 - —

—provide CLEAN drums for re-use

As shown in the T-square test pictured above, the flanges of Tri-Sure Closures engage perfectly *flush* with the inside of the drumhead. Any solution put into the drum for the purpose of cleansing, preparatory to re-use, drains completely out — your drum is certain to be *clean* and *free from contamination—fully flushed, sanitary* and ready to "go" again — a *safe* container for any liquid. Tri-Sure *full drainage* is an important feature to every user of drums. It prevents waste and gives full quantity in every delivery; it assures clean drums that can be refilled with confidence. Get this protection in every drum — by specifying "Tri-Sure Closures" in every new or used drum order.

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TRI-SURE PRODUCTS LIMITED, ST. CATHARINES, ONTARIO, CANADA

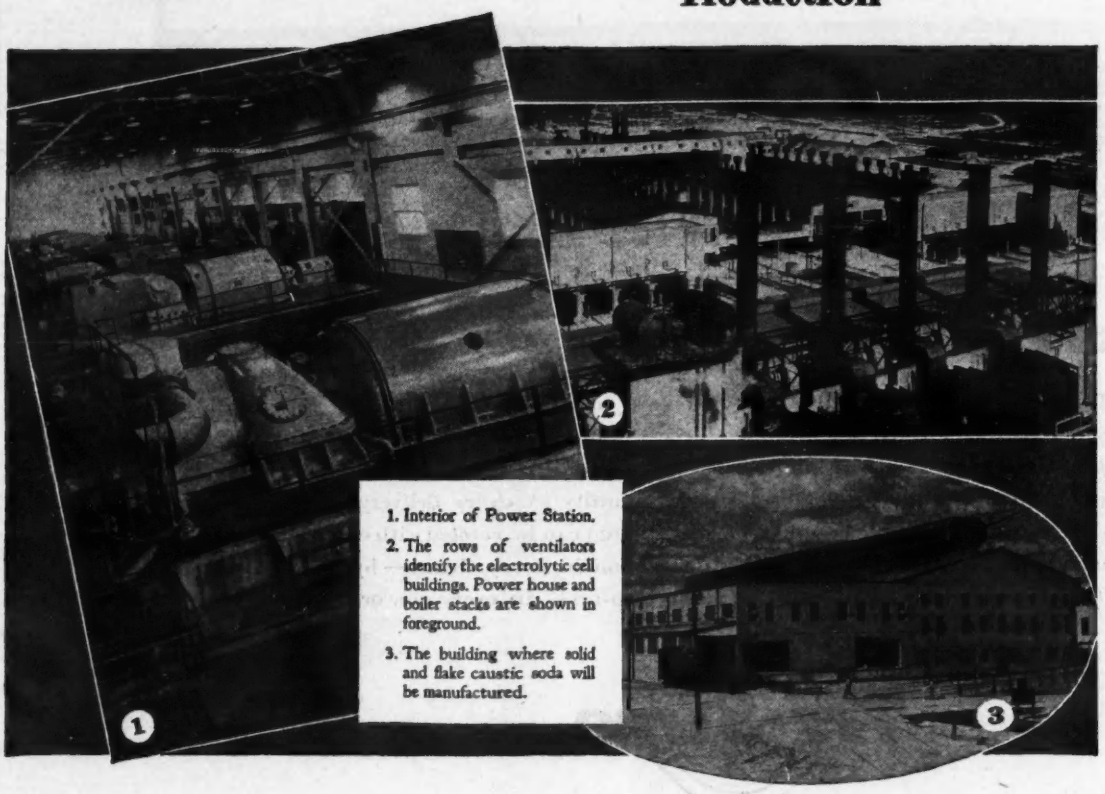
THERE IS NO SUBSTITUTE FOR TRI-SURE CLOSURES

Soda, sulphohydrate, liquid, 55%, tanks, 100% b... works, lb. .08¾- —
flake, 70-73%, dms., c.l., works..lb. .04½- —
l.c.l., works.....lb. .05 - —
Sulphoricinoleate, bbls.....lb. .12 - —
Thiocyanate (see Soda, sulphocyanide).
Thiosulphate (see Soda hyposulphite).
Tungstate,[1,6] (tech., kgs.....lb. 1.25 - 1.50
Soda-ammonia phosphate, bbls., works, frt. equid.....lb. .23 - —
Soda-cinchophen, bots., dms., works..lb. 3.75 - 3.85
Soda-formaldehyde sulphoxalate, stand. cont. 125-250 lbs...lb. .19 - .22
Soda-sulphadiazin, USP, dms., works..lb.10.50 -10.60
Soda-sulphamerazin, dms., works, lb.10.50 -10.60
Soda-sulphapyridine, powd., bots., dms., works..lb. 9.00 - 9.30
Soda-sulphathiazole, USP, dms., works..lb. 2.50 - 2.60
Solvent naphtha, dms., wks..gal. tanks, E. of Omaha, frt. alld. gal. .31 - —
Minneapolis, Colo.....gal. .26 - —
high-flash, dms., works..gal. tanks, frt. alld. E. of Omaha to 2c. per gal..gal. .32 - —
Solvent naphtha, wire enamel, rct. dms., c.l., frt. equalized..gal. .27 - —
l.c.l., same basis....gal. .30 - —
tanks, works.....gal. .23 - —
Sorbitol, com'l, dms., c.l., works, lb. .16¾- —
l.c.l., works.....lb. .17¾- —
Soybean meal,[1,7] 41%, bulk, c.l., Decatur..ton.59.00 - —
Protein, alpha, bgs., 40,000 lbs., works..lb. .20 - —
20,000 lbs., works.....lb. .20½- —
smaller lots, works.....lb. .20½- .24
Sparteine sulphate, bots., cns..oz. 2.95 - 3.25
Spearmint leaves, bls.....lb. .45 - .49
Spikenard root, bls.....lb. .45 - .55
Spruce extract, liq., reg., bbls., c.l., works..lb. .02½- —
tanks, works.....lb. .01½- —
pwd., super, bgs., c.l., wks.lb. .04½- —
Squaw vine, bls.....lb. .55 - .55
Squill, red, fortified, powd., bbls., bxs..lb. 1.60 - —
White, bls.....lb. .10 - .12
powd., bbls., bxs.....lb. .16 - .20
St. Ignatius beans, bgs.....lb. No stocks
St. John's bread, edible, bls...lb. .10¾- .11½
Starch, corn, pearl, bgs., c.l. 100 lbs. 6.681 - —
l.c.l.....100 lbs. 6.781 - —
Chicago, c.l.....100 lbs. 6.28 - —
powd., bgs., c.l.....100 lbs. 6.791 - —
l.c.l.....100 lbs. 6.891 - —
Chicago, c.l.....100 lbs. 6.39 - —
Potato, bgs., c.l.....lb. .17 - .18
l.c.l.....lb. .18 - .20
Rice, bgs., c.l.....lb. No stocks
Sweetpotato, bgs.....lb. No stocks
Wheat, thick boil, bgs.....lb. .06 - —
Starch, iodide, bots.....lb. 1.67 - —
Staves acre seed, bgs.....lb. .60 - .61
Stearin, oleo (see Oleostearin)
Stillingia, root, bls.....lb. No stocks
Stoneroot, bls.....lb. .07½- .08
Storax, cs.....lb. 1.10 - 1.15
Stramonium leaves, bgs.....lb. .16 - .17
Seed, bgs.....lb. .20 - .21
Strontium bromide, cns., dms.lb. .52 - .55
Carbonate, 90%, bbls.....lb. .14 - .16
98%, bbls.....lb. .23 - .25
Chloride, tech., bbls.....lb. .22 - .24
mesh 90%, bbls., works..ton.58.00 - —
Chromate, bbls., kgs., Phila.lb. .25 - .27
Iodide, bots.....lb. 3.06 - 3.15
jars, 25 lbs.....lb. 3.00 - —
Lactate, dms.....lb. 1.20 - 1.25
Nitrate, bbls., c.l., works....lb. .07¾- —
l.c.l., works.....lb. .08¼- .09¾
Strontium oxalate, bbls., works, lb. .38 - .40
Salicylate, NF, dms.....lb. 1.10 - 1.15
Sulphate, nat., air-floated, 325 mesh 90%, bbls., works..ton.58.00 - —
Strontium-calcium sulphide, phosphorescent, dms., works..lb. 2.50 - 2.85
Strophanthin, bots.....oz.50.00 -50.00
Strophanthus seed, Kombe, bgs., lb. 2.40 - 2.65
Strychnine, NF, powd., cns., 100 ozs..oz. 1.25 - —
Sulphate, USP, powd., cns., 100 ozs..oz. 1.00 - —
Styrolyl acetate, bots.....lb. 2.50 - 3.10
Sucrose octa-acetate, denat., bbls., l.c.l., works..lb. .45 - —
tech., bbls., l.c.l., works...lb. .40 - —
Sugar coloring (see Caramel coloring).
Sugar of milk (see Milk sugar).
Sulphadiazine, USP, dms., works, lb. 9.00 - 9.10
Sulphaguanidin, dms., works..lb. 4.50 - 4.60
Sulphamerazin, dms., works...lb. 9.00 - 9.10
Sulphanilamide, USP, powd., bots., works..lb. 9.00 - 9.10
Sulphanilamide, 80-90 mesh, 10c. higher.
Sulphapyridine, powd., bots., tins., works..lb. 8.00 - 8.30
Sulphathiazole, USP, powd., dms., works..lb. 2.50 - 2.80
Sulphonethylmethane, kgs.....lb. 6.75 - 6.85
Sulphonmethane, kgs.....lb. 5.25 - 5.35
Sulphur, crude, c.l., bulk, mines, contract..long ton.16.00 - —
vessels, Gulf ports, contract..long ton.17.50 - —
Sulphur, flour, comm'l, 99½%, bgs., c.l., works..100 lbs. 1.65 - —
l.c.l., works.....100 lbs. 2.00 - 2.11
precipitated, USP, bbls., kgs., lb. .18 - .20
refined, flour, extra fine, bgs., c.l., works..100 lbs. 2.90 - —
l.c.l., works.....100 lbs. 3.25 - 3.40
Sulphur, refined, heavy, bgs., c.l., works..100 lbs. 2.60 - —
l.c.l., works.....100 lbs. 2.95 - 3.10
light, bgs., c.l., works.100 lbs. 2.70 - —
l.c.l., works.....100 lbs. 3.05 - 3.20
flowers, USP, bgs., c.l., works, 100 lbs. 3.05 - —
l.c.l., works.....100 lbs. 3.40 - 3.55
Refined sulphur flowers in bbls., 35c. higher.
rock, bbls., c.l., works.100 lbs. 2.20 - —
l.c.l., works.....100 lbs. 2.55 - 2.70
roll, bbls., c.l., works.100 lbs. 2.40 - —
l.c.l., works.....100 lbs. 2.75 - 2.90
rubbermakers', bgs., c.l., wks. 100 lbs. 1.85 - -
Chloride, 25-gal. dms., c.l., works..lb. .06 - .06¼
l.c.l., works.....lb. .04 - .04½
10-gal. dms., c.l., works...lb. .07 - .07½
l.c.l.....lb. .08 - .08½
Dioxide, liquid, com'l, cyls., c.l., works..lb. .07 - —
l.c.l.....lb. .08 - —
multi-unit cars, works..lb. .04½- .06
tanks, works.....lb. .04 - —
refrigeration, cyls., l.c.l., works..lb. .16 - .31
Iodide, bots., jars.....lb. 3.90 - 4.11
Sumac extract, No. 1, bbls....lb. .10¾- —
No. 2, bbls.....lb. .09 - —
crystals, bbls.....lb. .40 - —
stainless, bbls.....lb. .11 - .12½
Superphosphate,[1] pulverised, run-of-pile under 22% a.p.a., bulk, production points, Balto..unit-ton. .65 - —
Florida.....unit-ton. .81 - .84
others.....unit-ton. .87 - .94
Delivery points, Ariz., Calif., Colo., Ida., Kans., Nev., N. M., Ore., Utah, Wash., 85½c. per unit-ton plus frt. charge from Anaconda, Mont., in excess of $8.62 per ton; guaranteed 18, 19 or 20% a.p.a., ½c. per unit-ton higher.
cripie, 43% or more, a.p.a., bulk, producing points, Florida, unit-ton. .68 - —
South Carolina..unit-ton. .70 - —
Tennessee.....unit-ton. .75 - —
Other States and D.C., 62c. per unit-ton plus frt. charge for 45% from E. Tampa, Fla.
Superphosphate, gran., 2c. per unit-ton higher than pulverised.
Sweet basil, bls.....lb. 1.00 - 1.25

T

Talc,[1] dom., ordinary, grd., bgs., c.l., works..ton.14.80 -24.50
l.c.l., works.....ton.16.50 -30.00
Calif., bgs., c.l., wks.ton.17.50 -43.00
Pennsylvania, bgs., c.l., works..ton.11.00 -12.50
l.c.l., works.....ton.12.00 -14.50
Vermont, bgs., c.l., works, ton.14.00 - —
l.c.l., works.....ton.15.00 - —
fibrous, grd., coarse, off-color, New York, bgs., c.l., works..ton.13.00 - —
grd., fine, New York, 325 mesh, 93-94%, bgs., c.l., works..ton.13.00 -16.00
99 - 99.5%, bgs., c.l., works..ton.15.25 -19.25
99.65 - 99.95%, bgs., c.l., works..ton.17.00 -21.00
imp. Canada, bgs., c.l.....ton.94.00 -80.00
Tallow,[7] edible, tanks.....lb. Nom. —
inedible, extra, loose.....lb. .12¾- —
special, loose.....lb. .13½- —
sulphonated, 50% (42% fat), dms., c.l..lb. .07 - .07½
(70% fat), dms., c.l.....lb. .10 - .10½
Tallow, sulphonated, l.c.l., ½c. higher.
Tamarind, bbls.....lb. .13 - .14
Tankage,[1,7] animal, feed grd., 9-11% ammon., bulk, unit-ton.10.00 - —
Chicago.....unit-ton.15.00 - —
fert. grd., 9% ammon., 10% b.p.l., bulk..unit-ton. 5.00 & 10.00
10-11% ammon., 15% b.p.l., bulk, Chicago..unit-ton. 5.00 & 10.00
Tapioca flour,[1,8] bgs.....lb. .07 - .07½
Java, bgs.....lb. No stocks
Tar acid oil, 15-19%, dms., c.l., works..gal. .28½- .30½
l.c.l., works.....gal. .29½- .32½
25%, dms., c.l., works...gal. .30 - .35½
l.c.l., works.....gal. .32 - .37½
Tar, pine (see Pinetar).
Tara[1] pods, c.l., ex dock U. S. ports..long ton.97.25 - —
powd., c.l., same basis....long ton.125.00 - —
Tarragon herb, bgs.....lb. .60 - .65
Leaves, bgs.....lb. 1.20 - 1.25
Tartar emetic, tech., gran. or powd., bbls., kgs..lb. .47¾- .49
dms.....lb. .48½- .51
USP, powd., bbls., dms., kgs. lb. .52¾- .56
Terpin hydrate, com'l, bbls., c.l. lb. .24½- —
l.c.l.....lb. .25 - .25½
USP, cryst., bbls., dms....lb. .70 - .75
powd., bbls., dms.....lb. .75 - .80
Terpineol, alpha (see A).
com'l, dms., c.l., South.....lb. .13½- —
l.c.l., South.....lb. .14 - —
tanks, South.....lb. .12 - —
pure, dms.....lb. .34 - .50
Terpinglycol ether, dms. (extra), c.l., works..lb. .19½- —
l.c.l., works.....lb. .20 - —
tanks, works.....lb. .19 - —
Terpinyl acetate, extra, cns., dms..lb. .80 - .87
prime, cns., dms.....lb. .63 - .70
Terra alba (see Gypsum).
Tetrachlorethane, dms., works, lb. .08 - .08½
Tetrachloroethylene, NF VI, 55-gal. dms., works..lb. .20 - .21½
smaller dms., works.....lb. .23½- .25½
tech. (see Perchloroethylene).
Tetraethyl orthosilicate, dms., works..lb. .65 - —
Tetralin, dms.....lb. .19 - —
Tetrasodium pyrophosphate (see Soda pyrophosphate).
Thallium sulphate, 90%, bots., works..lb.12.50 Nom.
Theobromine, dms., 25-lb. lots..lb. 3.75 - —
smaller lots.....lb. 3.95 - 4.10
Thiamine hydrochloride, dms., 100 grams or more..kilo.160.00 - —
Thiocarbanilide, dms.....lb. .24 - —
Thiouracil, dms., works.....lb. 5.50 - 6.00
Thiourea, CP, dms.....lb. .55 - .56
Thorium nitrate, cs., works...lb. 2.00 - —
Thyme, French, bgs.....lb. .19 - .19½
futures, bgs.....lb. .16 - .16½
Spanish, bls.....lb. .13 - .13½
Thymol, cns.....lb. 2.40 - 2.75
Iodide, dms.....lb. 3.40 - 3.50
Timbo root (see Cube root).
Tin chloride,[6] anhydrous.....lb. No stocks
crystals,[6] bgs., bbls.....lb. No stocks
Metal,[16] .....lb. .52 - —
Bolivian.....lb. .62½- —
Straits.....lb. No stocks

Lake Charles Plant will increase Caustic Soda—Chlorine Production



1. Interior of Power Station.
2. The rows of ventilators identify the electrolytic cell buildings. Power house and boiler stacks are shown in foreground.
3. The building where solid and flake caustic soda will be manufactured.

Built to make wartime magnesium, "Lake Charles" is being converted to the manufacture of chlorine and caustic soda. While actual production will not start until some time next year, the existence of certain vital facilities permits an earlier start than would be possible by constructing an entirely new plant. "Lake Charles" will be operated by The Southern Alkali Corporation—a Pittsburgh Plate Glass Company affiliate. Located in Louisiana, this plant adds an important link to a cross-the-country group of facilities, all strategically located to serve industry efficiently and economically. This group includes a Texas Plant at Corpus Christi—owned by The Southern Alkali Corporation—and Columbia plants at Barberton, Ohio, Natrium, W. Va., and Owens Lake, Calif.

COLUMBIA CHEMICALS
PITTSBURGH PLATE GLASS COMPANY
COLUMBIA CHEMICAL DIVISION

FIFTH AVENUE at BELLEFIELD, PITTSBURGH 13, PENNSYLVANIA · Chicago · Boston · St Louis
Pittsburgh · New York · Cincinnati · Cleveland · Philadelphia · Minneapolis · Charlotte · San Francisco

COLUMBIA ESSENTIAL INDUSTRIAL CHEMICALS
Soda Ash · Caustic Soda · Liquid Chlorine · Sodium Bicarbonate · Pittchlor (Calcium Hypochlorite) · Silene EF (Hydrated Calcium Silicate) · Calcium Chloride · Soda Briquettes (Iron Desulphurizer) · Modified Sodas · Caustic Ash · Phosflake (Bottle Washer) · Calcene T (Precipitated Calcium Carbonate)

Tin oxide,[1,6] bbls.....lb. .54 - .55
Tetrachloride,[6] anhyd., dms., works..lb. .21 - .22
Titanium dioxide,[1,4] chalk resistant, bgs., c.l., dlvd..lb. .15 - —
l.c.l., dlvd.....lb. .15½- .15⅝
nonchalking,[1,4] bgs., c.l., dlvd. ft.....lb. .16½- —
l.c.l., dlvd.....lb. .16⅝- .17¼
plain, bgs., c.l., dlvd.....lb. .14½- —
l.c.l., dlvd.....lb. .14⅝- .15½
Hydride, cns., works.....lb. 7.00 - 8.00
Pigment, barium base,[1,4] bgs., c.l., dlvd..lb. .05½- —
l.c.l., dlvd.....lb. .06 - —
Calcium base,[1,4] bgs., c.l., dlvd..lb. .06½- —
l.c.l., dlvd.....lb. .06⅝- —
Calcium-rutile base,[1,4] bgs., c.l., dlvd..lb. .06½- —
l.c.l., dlvd.....lb. .06⅝- —
Magnesium base,[1,4] dlvd.....lb. .05⅝- —
l.c.l., dlvd.....lb. .06 - —
Titanium dioxide and pigment in bbls., ¼c. higher; Pac. coast, c.l., dlvd., l.c.l., ex whse., ¼c. higher.
Tetrachloride, CP, 55-gal. dms., works..lb. .57 - —
smaller pkgs., works.....lb. .65 - 1.25
technical, 55-gal. dms., works. lb. .32 - —
smaller pkgs., works.....lb. .40 - 1.00
Tolu balsam, cns.....lb. 2.50 - 2.60
Toluene (see Toluol).
Toluidin base, distilled, kgs...lb. .90 - —
Toluol (toluene), coaltar, 2°, indust., dms., return, wks gal. .23 - —
tanks, E. of Omaha, frt. alld..gal. .27 - —
West Minnequa, Colo..gal. .27 - —
1°, nitration, ret. dms., works. gal. .32 - —
tanks, E. of Omaha, frt. alld..gal. .27 - —
West Minnequa, Colo..gal. .27 - —
Petroleum toluol prices, same as those for coaltar toluol.
Tonga, 50% bark and vine, bbls. lb. .90 - .91
Tonka beans, Angostura, cks..lb. 1.60 - 1.70
Brazilian, Surinam, cs....lb. .90 - .95
Tetaquine,[1,6] USP XII, 100-can. lots..can. .52 - —
Triacetin, dms., works.....lb. No prices
Triamylamine, dms., c.l., works. lb. .96 - —
l.c.l. .....lb. 1.01 - —
Tributyl citrate, dms.....lb. .29 - .31
smaller pkgs.....lb. .34 - .40
Phosphate, cns., l.c.l., dlvd..lb. .45 - .55
dms., l.c.l., dlvd.....lb. .49 - —
Tributylamine, dms., c.l., works. lb. .75 - —
l.c.l., works.....lb. .82 - —
Trichlorobenzene, dms., c.l., frt. alld..lb. .06 - —
l.c.l., frt. alld.....lb. .06½- —
tanks, frt. alld.....lb. .07½- —
Trichloroethane, dms., c.l., works. lb. .15 - —
l.c.l., works.....lb. .17 - —
Trichloroethylene, dms., c.l., Zone 1, works, frt. alld..lb. .08 - —
Zone 2, frt. alld.....lb. .08½- —
Zone 3, frt. alld.....lb. .09 - —
Zone 4, ex whse.....lb. .09 - —
Trichloroethylene, l.c.l., prices, ½c. higher
Zones are—(1) Conn., Del., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis., Omaha, K. C., Kan. (2) Ala., Ark., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. C., S. D.; (3) Col., Mont. (E), N. M., Tex., Wyo.; (4) Ariz., Cal., Idaho, Mont. (W), Nev., Ore., Utah, Wash.
Tricresyl phosphate, tech., cns., works..lb. .22 - .23½
dms., c.l., dlvd.....lb. .25 - —
l.c.l., dlvd.....lb. .25½- —
tanks, dlvd.....lb. .24 - —
Triethanolamine, dms., c.l., frt. alld. in E..lb. .19½- —
l.c.l., same basis.....lb. .20½- —
tanks, same basis.....lb. .18½- —
Triethyl phosphate, cns.....lb. .40 - —
Triethylamine, dms., c.l., works, basis 100%..lb. .34 - —
l.c.l., works, basis 100%....lb. .36 - —
tanks, works, basis 100%....lb. .30 - —
Triethyleneglycol, dms., c.l., frt. alld. in E..lb. .19½- —
l.c.l., same basis.....lb. .19½- —
tanks, same basis.....lb. .17½- —
Trimethylamine, dms., c.l., dlvd. lb. .35 - —
l.c.l., dlvd.....lb. .90 - —
Trimethylolpropane, bbls.....lb. .65 - —
Triphenyl phosphate, bbls., c.l., frt. alld..lb. .31 - —
l.c.l., same basis.....lb. .33 - —
Tripoli,[2] air-floated, bgs, c.l. works..ton.21.50 - —
double-grd., bgs., c.l., works.. ton.17.50 - —
once-grd., bgs., c.l. works.ton.16.00 - —
Trisodium phosphate (see Soda phosphate (tribasic).
Tuba root (see Cube root).
Tungsten metal, powd., 98-99.7%, dms., works..lb. 2.60 - 3.40
Oxide, kgs.....lb. No prices
Turmeric root, Alleppey, bls...lb. .19½- .20
Haitian, bls.....lb. .14½- .16
Jamaica, futures, bls.....lb. .15½- .16
Madras, bgs.....lb. .18 - .18½
Turpentine, gum, ret. dms., c.l. gal. 1.06½- 1.10
l.c.l. .....gal. 1.07½- 1.12
tanks, Savannah.....gal. .96½- —
Wood, d.d., dms., East....gal. .65 - .70
tanks, East.....gal. .60 - —
steam-dist., ret. dms., East. gal. .95 - 1.03
tanks, East.....gal. .89 - .90
Sulphate, ret. dms.....gal. .80 - .85

U

Unicorn root, false (see Helonias root).
True (see Aletris root).
Uranium,[6] oxide, black, bgs...lb. 2.55 - —
yellow, kgs.....lb. 1.65 - —
Urea, dom., 46% N., bgs., c.l., works or ship. pts..ton.68.00 - —
l.c.l., ship. pts.....ton.70.50 -80.00
import, pure, cs.....lb. .12 - —
Fertiliser comp., 42% N., bulk, c.l., works or Atlantic or Gulf ports..ton.57.40 - —
fixed ammonia content, usual Atlantic and Gulf ports, NH_3..ton.116.80 - —
Urea-ammonia liquor (A and B), free ammonia content, Belle, W. Va., freight equalized with Hopewell, Va..ton.89.00 - —
fixed ammonia content, Belle, W. Va., freight equalized with Hopewell, Va., NH_3, ton.112.80 - —
C and D prices for Urea-ammonia liquor are $1.20 per ton of nitrogen higher than the A and B respectively for the same destinations.

Urunday, extract, 62% tannin, ex dock, U.S. ports..lb. .05625- .05875
Uva ursi leaves, bls.....lb. .18 - .19

V

Valerian root, Belgian, NF, bls. lb. .58 - .60
Indian, bls.....lb. .45 - .47
Valonia, beards, bgs., f.a.s...ton. No prices
Cups, bgs., f.a.s.....ton. No prices
Vanadium[1] pentoxide, CP, bgs., cns., works..lb. 7.00 - —
tech., dms., works.....lb. 1.10 - —
Vanilla beans, Bourbon, tins..lb. 7.75 - 8.50
Mexican, cuts, tins.....lb. 9.50 -10.00
whole, tins .....lb.10.50 -11.00
Tahiti, white label, tins.....lb. 3.50 - 3.75
yellow label, tins.....lb. 3.25 - 3.50
West Indian, tins.....lb. No stocks
Vanillin,[1] ex eugenol, tins, 25 lbs. or more..lb. 4.50 - —
smaller lots, tins.....lb. 4.55 - 4.65
ex guaiacol, tins, 25 lbs. or more..lb. 2.85 - —
smaller lots, tins.....lb. 2.40 - 2.55
ex lignin, tins, 25 lbs. or more. lb. 2.35 - —
smaller lots, tins.....lb. 2.40 - 2.55
Venice turpentine, artif., cns..lb. .34 - .35
Verdigris, bbls., bgs.....lb. .22 - .23
Vinyl acetate, cbys., works....lb. .25 - —
dms., c.l., works.....lb. .15 - —
l.c.l., works.....lb. .16 - —
smaller pkgs., l.c.l., works. lb. .25 - —
Ether, bots., 75 c.c., less 20% and 20%..bot. 1.50 - —
50 c.c., same basis.....bot. 1.05 - —
25 c.c., same basis.....bot. .85 - —
Trichloride (see Trichloroethane).
Vinylpyridin, ret. dms., works.lb. 1.50 - —

Vitamin A (see Oils, codliver, halibut-liver).
B_1 (see Thiamine hydrochloride).
B_2 (see Riboflavin).
B complex, natural (see Rice bran and Yeast).
Viosterol (irradiated ergosterol), bots., mil., units. .10 - .12
in corn oil (see Calciferol).
Vitamin C (see Acid, ascorbic).
D (see Oils, codliver, halibut-liver, viosterol)
D_2 (see Calciferol).
E (see Alphatocopherol).
G (see Riboflavin).
P-P (see Acid, nicotinic, and Nicotinamide)
Violet, methyl, toner (see M).
V.M.P. naphtha (see Petroleum naphtha v.m.p.).

W

Wahoo root bark, bls.....lb .55 Nom.
Wattle bark,[1,6] S. Africa, bgs., f.a.s..ton.82.50 - —
S. Africa, merchantable, bgs., f.a.s..ton.82.50 - —
fair average, bgs., f.a.s.. ton.55.00 - —
prime quality, bgs., f.a.s.. ton.57.50 - —
extract,[1] liquid, 35% tannin, bbls., works..lb. .05½- .06¾
tanks, works.....lb. .04¾- .05¼
solid, S. Afr., 61% tannin, ex dock..lb. .06625- .06875
S. Afr., 62% tannin, ex dock. lb. .0672- .0697
Wattle extract prices based on $12 ft sight and $1.00 insurance per long ton.
Wax, amorpheus (see Wax, microcrystalline).
Bayberry, bgs.....lb. No stocks
Bees, bleached, USP, white, bricks, cakes, cs..lb. .68 - .70
slabs, bgs.....lb. .65 - .68
crude, African, bgs.....lb. .53 - .55
Western hemisphere, bgs.lb. .60 - .65
Wax, bees, refined, yellow, bricks, bgs..lb. .62 - .65
slabs, cs.....lb. .61 - .64
Candelilla, crude, bgs.....lb. .78 - .80
refined, bgs.....lb. .62 - .65
Powdered, candelilla, 20 mesh, 5c. per lb. extra; 60 mesh, 5½c.; 100-200 mesh, 6c.
Carnauba, chalky, No. 3, bgs., ton lots..lb. 1.70 - 1.72
North Country, No. 2, bgs., ton lots..lb. 1.78 - 1.80
No. 3, bgs., ton lots.....lb. 1.75 - 1.78
refined, bgs., ton lots...lb. 1.85 - 1.87
yellow, No. 1, bgs., ton lots. lb. 1.92 - 1.95
No. 2, bgs., ton lots.....lb. 1.91 - 1.93
Powdered carnauba prices, same differentials as powdered candelilla.
Ceresin, dom., 132°-136° m.p., bgs..lb. .12½- .13⅛
138°-140° m.p., bgs.....lb. .15 - —
158°-162° m.p., bgs.....lb. .19 - .20
Japan, cs.....lb. No stocks
Microcrystalline, 170°-175° m.p., A.S.T.M., amber, cns. 20 tons, yearly contract, group 3, works..lb. .14½- —
amber, cns., smaller lots, same basis..lb. .14½- .15⅛
black, cns., 20 tons, same basis..lb. .12½- —
smaller lots, same basis.. lb. .13 - .13⅝
190°-198° m.p., A.S.T.M., amber, cns., 20 tons, same basis..lb. .16½- —
smaller lots, same basis, lb. .16½- .17⅛
black, cns., 20 tons, same basis..lb. .14½- —
smaller lots, same basis, lb. .15 - .15⅝

Highly essential are the diversified uses of carbonate of potash. In many types of products it provides a quality or combination of qualities that make for complete effectiveness and basic value. Among such products are glass and ceramics, soaps, fertilizers, tanning materials, chocolate "dutching" processes, engraving and lithography. As the pioneer producer of carbonate of potash in this country and for several years the only American producer, Niagara offers you the benefits of experienced counsel and advanced knowledge in using carbonate of potash to obtain the most economical and satisfactory results.

An Essential Part of America's Great Chemical Enterprise

Niagara Alkali Company

CAUSTIC POTASH • CAUSTIC SODA • PARADICHLOROBENZENE • CARBONATE OF POTASH • LIQUID CHLORINE • NIAGATHAL

60 EAST 42nd STREET • NEW YORK 17, N.Y.

Wax, microcrystalline, 190°-195° m.p., A.S.T.M., white, cans., 80 tons, same basis, lb. .24½- —
smaller lots, same basis, lb. .25 - .25½
Montan, bgs. lb. .60 - .62
Ouricury, crude, bgs., ton lots, lb. 1.03 - 1.05
refined, bgs., ton lots. lb. 1.18 - 1.22
Powdered ouricury prices same as powdered candelilla.
Ozokerite, dom., 120-200 F., l.c.l. lb. .24 - —
162-168 F., bgs., c.l. lb. .31 - —
171-173 F., bgs., c.l. lb. .37 - —
Spermaceti, blocks, cs. lb. .37 - .38
cakes, cs. lb. .35 - .36
White lead (see Lead, white).
White precipitate, powd., dms., 50 lbs. or more. lb. 2.50 - —
White pine bark, reased, bls. lb. .16 - .19
Whiting,[1] chalk, dry-grd., bgs., c.l. ton.18.00 -22.00
l.c.l. ton.20.00 -24.00
wet-ground, bgs., c.l. ton.21.00 -25.00
l.c.l. ton.25.00 -29.00
gilders, bolted, bgs., c.l. ton.20.00 -24.00
l.c.l. ton.21.00 -25.00
extra-bolted, bgs., c.l. ton.22.00 -26.00
l.c.l. ton.23.00 -27.00
Limestone, dry-grd., 325 mesh, bgs., 40 tons, N. E., works. ton. 6.00 - —
smaller lots, N.E., works, ton. 7.00 - 9.00
wet-grd., air-floated, 200 mesh, 95½%, bgs., c.l. ton. 9.25 -10.10
200 mesh, 99%%, bgs., c.l., ton. 8.00 - 9.00
99%, bgs., c.l. ton. 6.25 - 7.00
water-floated, extra gilders, bgs., c.l. ton.10.00 - —
gilders, bgs., c.l. ton.12.45 - —
putty grade, bgs., c.l. ton.13.00 - —

Whiting, Paris white, bgs., c.l. ton.24.00 -28.00
l.c.l. ton.25.00 -29.00
precipitated, bgs., c.l. ton.14.00 -15.00
l.c.l. ton.16.00 -20.00
Wild cherry bark, thick, bls. lb. .06 - .07
thin, natural, bgs. lb. .16 - .17
reased, green, bls. lb. .25 - .26
Wild indigo root, bls. lb. .22 - .25
Witch-hazel leaves, bls. lb. .21 - .22
Witherite (see Barium carbonate, natural).
Woodflour, 40 mesh, bulk, c.l., N. Tonawanda, N. Y. ton.20.00 - —
60 mesh, same basis ton.24.00 - —
80 mesh, same basis ton.27.00 - —
100 mesh, same basis ton.30.00 -32.00
Woodflour, in bags, 25c. each extra, returnable.
Wormseed, American, bgs. lb. .20 - .22
Levant, bgs. lb. 4.50 - 4.75
Wormwood, bls. lb. .50 - .60

X

Xanthorrhiza, bls. lb. .28 - .30
Xylene (see Xylol).
Xylidin, mixed, dms. lb. .35 - .36
Xylol (xylene), coaltar, indus., ret. dms., works, gal. tanks, E. of Omaha, frt. alld. gal. .26 - —
West Minnesota, Colo. gal. .26 - —
10°, ret. dms., works, gal. tanks, E. of Omaha, frt. alld. gal. .29 - —
5°, ret. dms., works, gal. tanks, E. of Omaha, frt. alld. gal. .38 - —
3°, ret. dms., works, gal. tanks, E. of Omaha, frt. alld. gal. .41 - —
Petroleum, 10°, tanks E. of Omaha, frt alld. gal. .26 - —

Y

Yara yara, cryst., bots., cns. lb. 1.75 - 1.80
Yeast, brewer's dry, 50 B units, dms. lb. .25 - —
90 B units, dms. lb. .45 - —
200 B units, dms. lb. .50 - —
300 B units, dms. lb. .60 - —
Yellow, barium chromate, CP, bgs., l.c.l., dlvd. N. of Tenn. and N. C., E. of Miss. R., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul. lb. .22 - —
Barium chromate yellow price differentials in other States and city zones are those for chrome yellow below.
Benzidin, bbls., dlvd. lb. 1.35 - 2.25
Cadmium, CP, bgs. lb. 1.35 - 1.40
ton lots, E. of Rockies. lb. .55 - —
smaller lots, same basis, lb. .65 - —
sulphide, orange, cs., kgs., works. lb. 1.10 Nom.
Chrome, CP, bbls., dlvd. N. Tenn. and N. C., E. of Miss. R., includ. Davenport, Minneapolis, Rock Island, St. Louis, St. Paul, contracts. lb. .17 - —
Chrome yellow prices are ½c. higher, dlvd. Ala., Fla., Ga., La. (Shreveport), 1¼c., Miss., N. C., S. C., Tenn., Dallas, Tex., 1¾c.; Ft. Worth, Tex., 1¾c.; El Paso, Tex., 2c.; Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Dutch, pink, bbls. lb. .09 - .11
Hansa, bbls., same basis as chrome. lb. 1.37 - —
primrose, bbls., same basis. lb. 1.75 - —

Yellow, iron oxide, nat., bbls., c.l., Bethlehem, Easton, Pa. lb. .04½- —
l.c.l., same basis lb. .05 - —
synthetic, bbls., c.l., works, lb. .0625- —
l.c.l., works lb. .0710- —
Mercury oxide, bbls., 1,000 lbs. lb. 2.42 - —
smaller lots lb. 2.45 - —
Ocher, American, golden, bbls., works. lb. .04½- .05¼
yellow, bbls., works lb. .02 - .02½
French type, bbls., c.l. lb. .0245- —
l.c.l. lb. .0325- —
Persian orange (see O).
Zinc, bbls., same basis as chrome. lb. .16 - —
Navy spec. type, bbls., contract. lb. .16 - —
Yellow dock root, bls. lb. .25 - .28
Yellow xanthorrhiza (see Xanthorrhiza).
Yerba santa leaves, bls. lb. .20 - .22
Yohimbine hydrochloride, vis. oz. 3.25 - 4.00

Z

Zein, bgs., works lb. .31 - —
smaller lots, works lb. .30 - —
Zinc acetate, tech., bbls., dlvd. lb. .16 - .17
USP, bbls. lb. .26 - .27
kgs. lb. .29 - —
Arsenite,[1] bgs., c.l., frt. alld. E. of Rockies. lb. .11¾- .12½
l.c.l., same basis lb. .12¾- .13¼
Borate, bgs., c.l. lb. .12 - —
Carbonate, tech., rubber-makers' grade, bbls., works. lb. .09¾- .10¾
USP, precip., powd., bbls. lb. .25 - —
dms. lb. .40 - —
kgs. lb. .27 - —
Chloride, tech., fused, dms., c.l., works. 100 lbs. 5.00 - —
l.c.l., works 100 lbs. 5.25 - —
gran., dms., c.l., works 100 lbs. 5.75 - —
l.c.l., works 100 lbs. 6.50 - —
solution, 50%, dms., c.l., works. lb. .0315- —
l.c.l., works lb. .04¼- .04½
tanks, works lb. .0250- —
USP, dms. lb. .20 - .21
jars lb. .25 - .30
Chromate (see Yellow, zinc).
Cyanide, kgs., works lb. .23 - .27
Dust,[6] bbls., c.l., dlvd. lb. .1025- —
l.c.l., works lb. .1125- —
Fluoride, bbls. lb. .25 - .30
Hydrosulphite, dms., works. lb. .16 - —
Iodide, NF, bots. lb. 4.62 - 4.75
jars lb. 4.40 - —
Laurate, bbls. lb. .22 - .23
Metal,[4] (quotations in Protective Coatings market).
Naphthenate, 8%-10% Zn, dms. lb. .16 - .19½
Oxide, pigment, dom., acicular, bgs., c.l., dlvd. lb. .03½- —
l.c.l., dlvd. lb. .03¾- —
American process, com'l, lead-free, bgs., c.l., dlvd. lb. .03½- —
l.c.l., dlvd. lb. .03¾- —
leaded, 5%, bgs., c.l., dlvd. lb. .03¾- —
l.c.l., dlvd. lb. .04 - —
leaded, 35% or more, bgs., c.l., dlvd. lb. .03¼- —
l.c.l., dlvd. lb. .03¾- —
leaded, 50%, bgs., c.l., dlvd. lb. .03¾- —
l.c.l. lb. .03¾- —
French process, com'l, lead-free, bgs., c.l., dlvd. lb. .03½- —
l.c.l., dlvd. lb. .03¾- —
green seal, bgs., c.l., dlvd. lb. .10¼- —
l.c.l., dlvd. lb. .10½- —
white seal, bgs., c.l., dlvd. lb. .10¾- —
l.c.l., dlvd. lb. .11 - —
red seal, bgs., c.l., dlvd. lb. .10¾- —
l.c.l. lb. .11 - —
USP, ctns., c.l. lb. .11¾- —
l.c.l. lb. .12 - —
Zinc oxide Pac. Coast prices ½c. higher bbl. prices ½c. higher than bgs.
Resinate, fused, 1% Zn, lump, precipitated, 5.40% to 9% Zn, powd., dms. lb. .14½- .15
Silicofluoride, bbls. lb. .15 - .16
Stearate, tech., ctns., c.l., frt. equald. lb. .32½- —
smaller lots, same basis. lb. .33½- .34½
USP (same prices as tech.).
Sulphate, cryst., bgs., c.l., works, frt. alld. 100 lbs. 3.40 - —
l.c.l., same basis 100 lbs. 4.15 - —
flake, bgs., c.l., same basis, 100 lbs. 3.60 - —
l.c.l., same basis 100 lbs. 4.35 - —
powd., bgs., c.l., same basis, 100 lbs. 5.25 - —
l.c.l., same basis 100 lbs. 6.10 - —
Zinc sulphate, in bbls., 25c. higher.
Sulphide,[1] pure, bgs., c.l., dlvd. lb. .05½- —
l.c.l., dlvd. lb. .06½- —
bbls., c.l., dlvd. lb. .05½- —
l.c.l., dlvd lb. .06¾- —
Barium pigment,[1] bgs., c.l., dlvd. lb. .0560- —
l.c.l., dlvd. lb. .0635- —
Calcium pigment,[1] bgs., c.l., dlvd. lb. .0560- —
l.c.l., dlvd. lb. .0635- —
Fluorescent pigment,[1] works, frt. alld. lb. .90 - 1.00
Magnesium pigment,[1] bgs., c.l., dlvd. lb. .05¾- —
l.c.l., dlvd. lb. .06 - —
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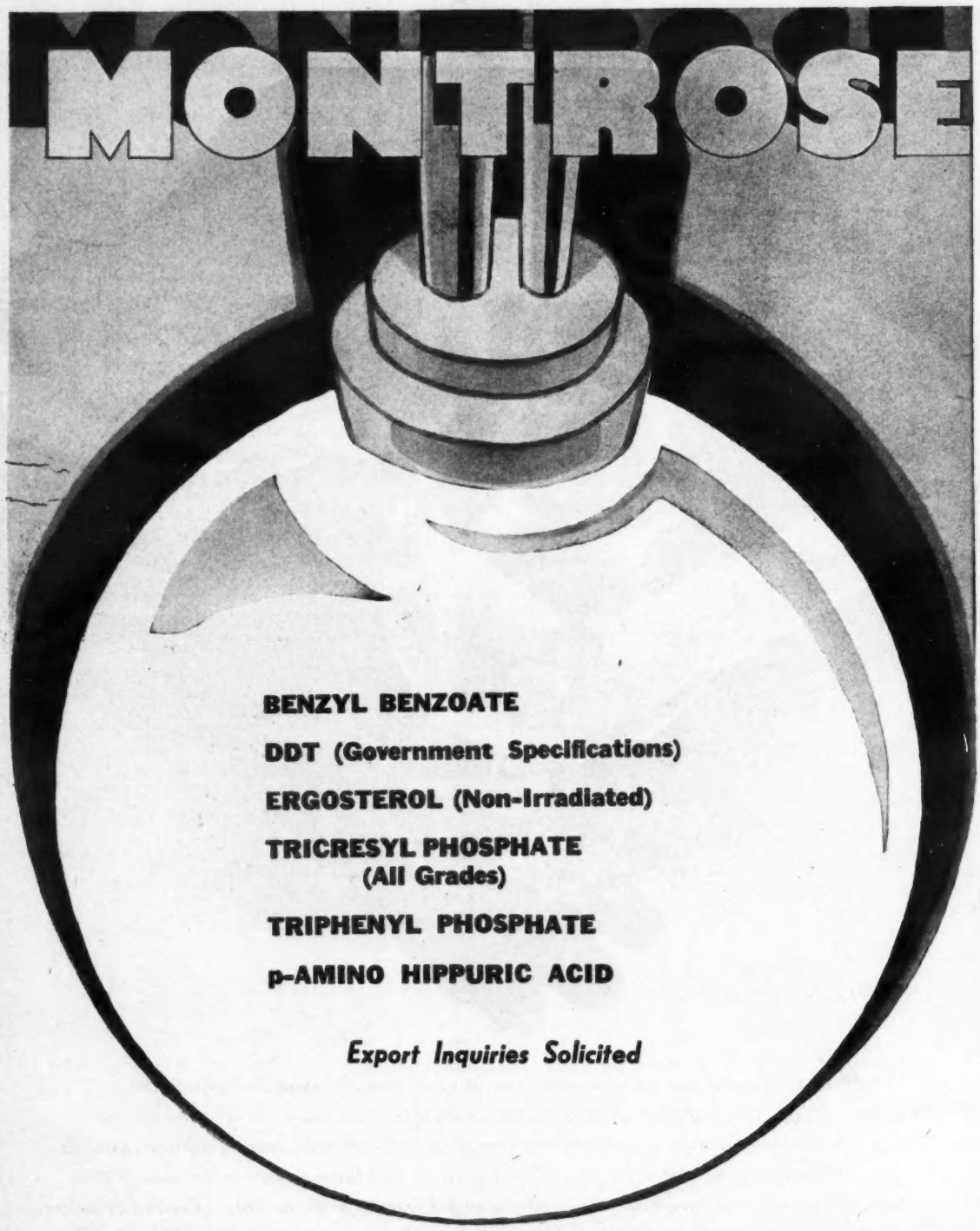
Sulphocarbolate, NF, bbls., dms. lb. .28 - .30
Tallate, 6% Zn, dms. lb. .08¾- —
Yellow (see Yellow, zinc).
Zinc-ammonia chloride, dms., c.l., works. 100 lbs. 5.65 - —
l.c.l., works 100 lbs. 6.70 - —
Zinc - cadmium sulphide, fluorescent, cns., works, frt. alld. lb. 2.00 - 2.00
Zinc-iron oxide pigment, bgs., c.l., dlvd. lb. .06 - —
l.c.l., dlvd. E. of Rockies, lb. .06¼- —
Pac. cst. lb. .06½- —
ex whse., Pac. cst. lb. .07 - —
Zirconium acetate, solut., bbls., works. lb. .25½- —
Hydride, cns., works lb. 7.00 - 8.00
Nitrate, bgs., works lb. 3.00 - 4.00
Oxide, 85%, grd., bbls., c.l., works. lb. .22½- —
l.c.l. lb. .23½- —
white, 98½-99%, grd., kgs., works. lb. .20 - —
milled, electric, fused, 2,000-9,999 lbs., works. lb. .40 - —
500 lbs. and less, same basis. lb. .49 - —
Oxychloride, crust., bbls., 5 tons, works. lb. .20½- —
Sulphate, basic, cake, bbls., c.l., works. lb. .12 - —
l.c.l., works lb. .12½- .20
smaller lots, works. lb. .20 - .21½



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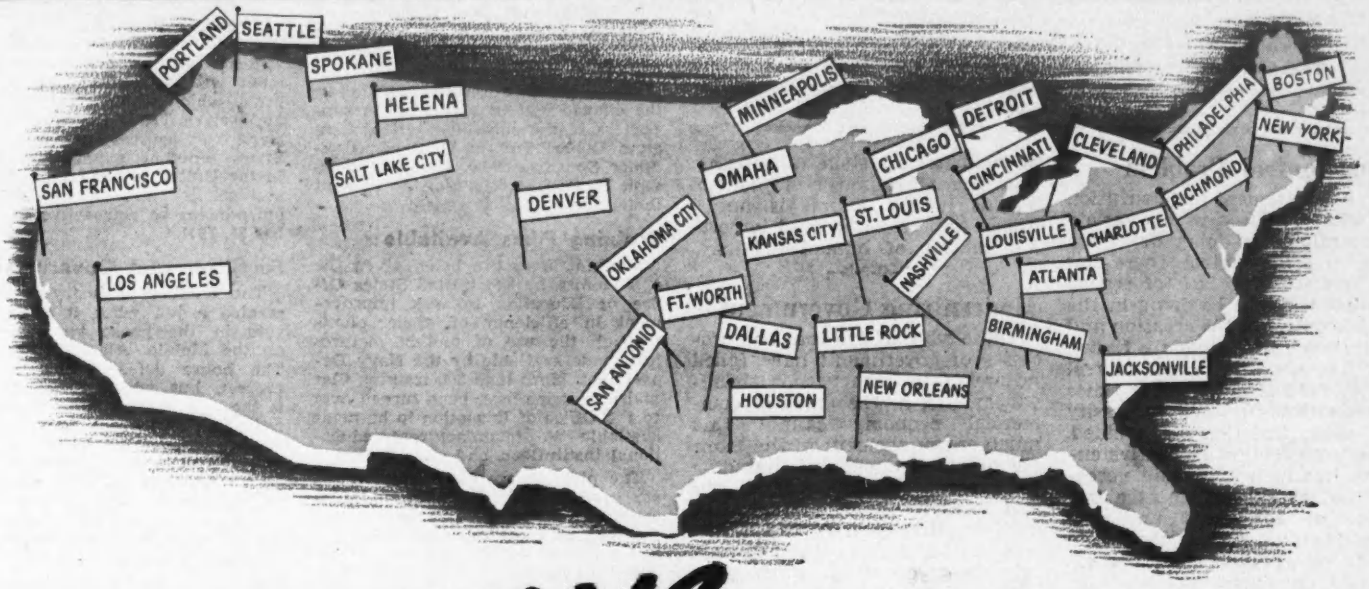

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Atom-Control Problem

In the excitement and confusion over what Congress, with a variety of intentions, is doing or trying to do to price-control, there has been a disturbing lack of regard for what it might be doing in the field of control of the creation and application of atomic - fission force. The need for proper control in that field is a thousand times as important as any necessity that price inflation be avoided. There is no field of legislative endeavor in which it is more necessary that every possible area and avenue of agreement and collaboration of government and private enterprise be fully and effectively developed.

There has been more than a little endeavor to meet the demands of atomic-fission force for a national policy and program which will be properly representative of and regardful for the entire tripartite structure of commercial, political, and social economics that is involved—and also for the responsibilities so impressively entailed. Several programs have been outlined, but none has set up a definite determination on the part of private enterprise with respect to what are its responsibilities. Too much attention has been given to its privileges—as usual these are referred to as rights.

To an extent, the result in Congress is what was to be expected. The McMahon bill falls short of what private enterprise, with a large measure of justification, regards as its due. The bill would reserve to government the production, and ownership of all source materials of recognized and accepted fissionable elements and give government full charge of atomic-fission force. The bill has the customary statutory vagueness on what, if anything, government would be expected and required to do toward making the force available for industrial applications and other uses outside the field of physical or psychological service in the national defense.

It is evident that such a bill does not provide a proper economic scheme of what is popularly known as atom-control. It reflects a rather widely held belief that atomic energy, so called, will never be satisfactorily and safely adapted to any purpose other than that of destruction. In that belief, there can, of course, be no place for private enterprise in relation to atom-control. Naturally, then, the matter to be determined is the soundness of that belief.

The difficulty of such a determination is obvious, the matter is still almost wholly within the realm of theory and conjecture. But, that is no reason why a bill should be enacted by Congress, which will shut private enterprise out of potentialities of atomic energy or deny it the use for other purposes of minerals from which fissionable elements can be derived. It would be necessary and wise to surround such utilization with adequate safeguards, perhaps by means of a system of licensing. But, the McMahon atom-control bill as it now stands is not a proper handling of a most important matter of human affairs.

—O-P-D—

Modernizing Government

Those who believe that the processes of government have failed miserably to keep pace with advancements in the areas of commercial economy cannot find much encouragement in the manner in which Congress is handling the several programs of legislative and administrative reorganization and simplification. It was by the smallest of margins that the least important of these programs—mainly the shifting of a few secondary bureaus—escaped congressional "veto". And there is much suspicion that the controlling influence was not an actual desire to bring about greater efficiency in operation. It is impossible, in truth, to say just what effect the accepted plans will have in respect of either better performance or less cost.

In the matter of its own reorganization, Congress has manifested no greater interest in a desirable objective. Much of what businessmen regard as essential to a better process of lawmaking has been wholly disregarded. Little has found favor other than a proposal that congressional salaries be increased and the members of both houses be provided with the services of more advisers and other assistants. Of course, there can be no assurance that any better use would be made of those than now is made of services a bit less conveniently available.

There is no indication that Congress has any purpose of producing better legislation—even with respect to clarity of language. Nothing that has been said or done in any of the motions of reorganization indicates a purpose to strive for broad-mindedness, to seek a national, rather than a factional or sectional, point of view. There are no signs of an intention to recognize as a constituency any larger group than those who were active in bringing about an election.

It is not to be expected that any congressional gesture, motion, or movement in the direction of reorganization is going to induce any more common or effective exercising of the constitutional right of self-purgation. There will be no greater concern over the fact that a senator insists upon his right to strike against the government, or that a representative persists in a contemptible attitude toward efforts to prove charges of fraud against the government.

Administrative and legislative reorganization at present squares up with that popular household practice of shifting the furnishings, changing the rugs, and sometimes freshening up the walls and woodwork. It is not to be denied that even such a measure of housecleaning does produce some improvement other than in appearance. It must be recognized that attachments strengthen with the years, and parting with old ways is seldom avid. But, this nation is too big and too much in need of all possible assistance in the maintenance of commensurate progress to be content with the services of ox-team governmental processes. If newer ideas demand new men for their adoption, let's get the new men.

Washington Talks It Over

—Continued from page 5

duction. Whether this has been due to the opposition of the doctors or to the fact that when people have money in their pockets they just are not interested in social advancement, is not known, but there are a lot of supporters of the bill who feel that the latter is the case. They plan to spend the time between now and the next Congress beating the bushes to try to stir up greater support for the legislation.

When hearings resume next year, the chance will be given to the supporters of the substitute bill of Senators Robert Taft of Ohio, H. Alexander Smith of New Jersey, and Joseph H. Ball of Minnesota to present their side of the argument.

Training Films Available

Manufacturers are being given the opportunity by the United States Office of Education to seek improvement in efficiency of, their plants through the use of motion pictures just made available by the Navy Department. More than 500 training files and film strips have been turned over to the Office of Education to be made available to manufacturers educational institutions, and civic groups.

The pictures are technically accurate, professionally produced, and educationally sound, and their use during the war, as many manufacturers who had occasion to use them found out, speeded the training of personnel, improved instruction, and increased production. They cover more than 200 subjects.

Of special interest are films dealing with engineering, aviation, machineshop work, office practices, supervision, sciences, nursing, safety and first aid, mechanical refrigeration, medical and dental technics, and plastic surgery.

Army, Navy, and Small Stores

The old complaints heard early in the war against army post exchanges and navy ship stores cutting into the normal retail markets of privately owned competitors, are being raised again by retail and wholesale trade associations.

The complainants charge that these governmen-sponsored stores are buying direct from manufacturers in volume at prices considerably more favorable than those obtained by most distributors and are selling at retail cut-rate prices to members of the armed forces, their families, and their friends. In many cases these sales are alleged not to include excise and luxury taxes.

The underlying policy governing the operations of these outlets is that they are to serve only the members of the armed forces and their immediate families. There always has been, and probably always will be, evasion of this policy in some respects since the commanding officers cannot stand watch over every sale. And certain taxes do not by law apply to sales of these stores.

Latin Trade Handicapped

Small manufacturers and exporters seeking new markets in Latin America under the assumption that Congress intended to encourage this sort of business when it wrote the Western Hemisphere Trade Corporation section into the tax laws several years ago, are finding their efforts stymied by the interpretation placed on this law by the Treasury.

The law grants certain surtax and excess profits tax exemptions to U. S. firms selling U. S. goods to customers in other countries of the Western Hemisphere. They apply only to firms which sell the bulk of their goods in these areas. The Treasury is requiring, however, that specific practices be adopted to insure that the income on these foreign sales is paid over outside the United States. If the title to the goods passes to the vendee within the United States, the seller cannot claim the exemptions. Unless the exporting firm has the ability to grant credit to its Latin American customers, the Treasury's requirement can not be met.

There does not seem to be much controversy over the intent of the law, but only in its administration. The probabilities are that an amendment will be written into by Congress, which would treat the income of Western Trade Corporation as derived from sources outside the United States whether payment was made in the United States or not. The suggestion is also made that this amendment be retroactive to December 31, 1941.

Fertilizer and Government

The fertilizer industry is going to receive a jolt when it analyzes the vote in the house two weeks ago on the Mobile, Ala., fertilizer plant. The house defeated this particular project, but what's more important is the way the members of the committee on agriculture lined up in the voting. Assuming that they would vote the same way on the Hill-Bankhead-Flannagan bill (S. 882-H. R 2922), since it involves the same question of the government's getting into the fertilizer business, the result is anything but encouraging.

Out of the total membership of twenty-eight on the house committee, twenty-one cast their votes on the Mobile project. Of this number there were ten for and eleven against, but what is most disturbing is the fact that those who voted for the project were mostly Democrats. All the Republican committee members were present and voted on the question—nine of them against the project and only three for it. Only nine of the sixteen Democrats on the committee voted and seven were for it and two against. There were seven absentees and all of them were Democrats. It must be assumed that most of these absentees would vote with their party members, and thus there would be a clear majority for the Hill-Bankhead-Flannagan bill.

It would seem that the voting on the Mobile project has cut out the work for the fertilizer industry, and the industry should not be lulled into the belief that, because nothing has yet been done on the Hill-Bankhead-Flannagan bill, the committee is against it. The voting shows the opposite to be true. And the possibility of its being loaded with the Mobile-plant rider is not remote.

OPD Forum

Outlet for Individual Opinion

(Anonymous communications will not be recognized, but a signer's name will be withheld at request.)

Salicin Source Gone

The Editor,
OIL, PAINT AND DRUG REPORTER.
Sir:—

We, the undermentioned British manufacturers, having read the paragraph appearing in your issue of June 10, for the sake of your many readers would like to make a statement of the position.

Immediately the Allied Armies had occupied Belgium, and in view of the almost total exhaustion of salicin stocks, we cabled to our Belgian agent to search the country for supplies of the special willow from which salicin is extracted. After several weeks of investigation we were informed, to our dismay, that there was practically none of this particular willow available, as, during the war, the basket-makers had changed over to a red willow which contained practically no salicin, and this would be uneconomical to work.

We are continuing our efforts over a wider field to find supplies but the position at the moment is that there is no raw material in sight, although we have made arrangements for manufacture immediately it becomes available.

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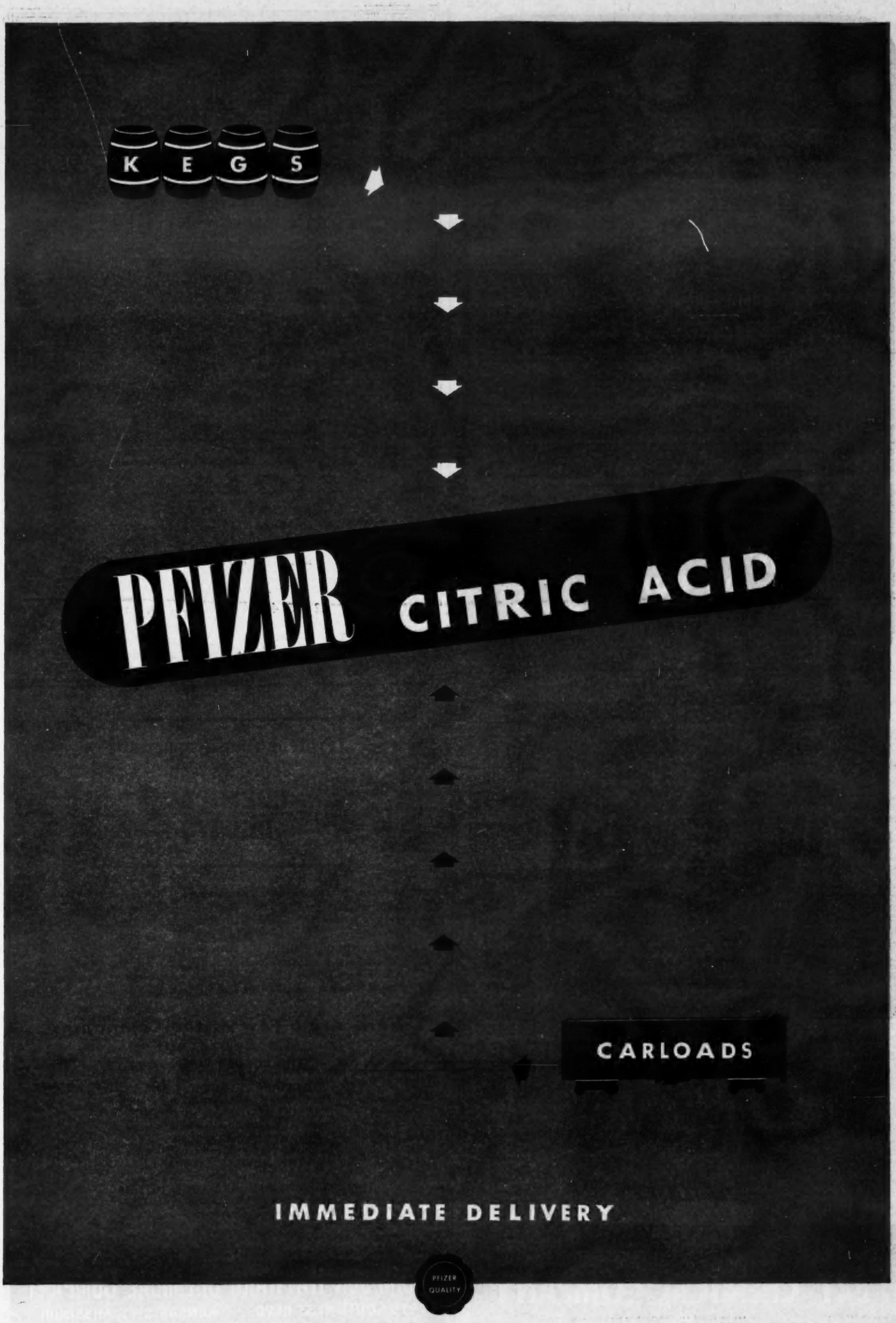

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Chloroform, U.S.P. & Technical	60.4—61.4	12.43
Carbon Tetrachloride, C.P. & Technical	76—77	13.30
Trichloroethylene	86.5—87.5	12.30
Perchloroethylene (Tetrachlorethylene)	120[illegible]	[illegible].55
Tetrachlorethane (Acetylene Tetrachloride)	146.2°	13.32
Pentachlorethane	160.5°	14.03

°Approximate boiling point

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Heavy Chemicals

Producers of heavy chemicals have held the line against advancing prices and appeared willing to await the final clarification of price control. Consuming demand for most varieties continued active with no indication that available stocks had increased. Constant delay in replacement of machinery at producing plants, where wartime pressure has taken its toll, is one of the chief bottlenecks that is preventing production from reaching its normal level. Shipments of many chemicals are behind schedule and the outlook is not favorable for prospective buyers. Meanwhile, a trickle of materials is reaching the resale market at prices substantially above existing contract figures. Export demand is active and is increasing with only enough stock to satisfy a small part of the inquiries. The overall outlook is uncertain and will remain so until fundamental conditions are righted. Producing plants need repairs which they are not able to make readily owing to the present shortage of steel parts and structural steel.

According to trade reports, resale soda ash has been sold at 5c. a pound by second hands and caustic soda at 7½c. a pound. Many other chemicals are held at proportionately high prices. Labor difficulties are said to be primarily responsible for the current shortage of sulphide of soda. Copper sulphate production was reported about normal. Shipments of oxalic acid have dropped further behind schedule. The chlorinated solvents continued to hold a satisfactory buying condition. Chlorate of soda deliveries are delayed and the chlorate of potash movement did not compare favorably with the previous week. Government control was tighter over antimony oxide. No improvement could be noted in the supply of arsenic.

Glass production in June dropped to slightly over 16,000,000 square feet from about 19,000,000 square feet in May. The decline was a reflection of short chemical shipments.

Paper production as a percentage of six-day capacity was 95.2 in the week ended July 12, according to the American Paper and Pulp Association. This compares with 61.1 in the previous week and 88.5 percent a year ago.

Production figures appearing in some of the following market reports were released by the Bureau of the Census' Department of Commerce unless otherwise specified.

Market Trends

Prices Advanced

None

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

General Chemicals

Acids

Last week.	Prev. week.	Last month.	Last year.
169.3	169.3	168.5	168.9

Last week.	Prev. week.	Last month.	Last year.
116.0	116.0	116.0	116.0

(For Current Prices see page 9)

Ammonia Liquor—A severe drop in production was recorded in May, according to the Bureau of Mines. Output registered 2,931,973 pounds, against 4,102,579 pounds in April. Stocks at the end of May were 1,020,263 pounds, compared with 1,081,367 pounds on April 30.

Antimony Oxide—Firm at the late advance with domestic consumers experiencing some difficulty in securing additional allocations. Export business appeared to be out for the present. Antimony sulphide continued firm and in fair supply but without quotable price charge.

Arsenic—Supply short and insufficient to meet the full requirements of the insecticide industry. Labor difculties have seriously affected production and attempts to bring in stocks from European sources have not been successful to date.

Calcium Phosphate — Monobasic output in May amounted to 4,867,000 pounds, against 5,158,000 pounds in April. Production of dibasic was lower. The total registered 4,143,000 pounds, compared with 6,683,000 pounds in the previous month.

Carbon Tetrachloride—Stocks sufficient to meet current demand, but not excessive at the present time. Inquiry has been increasing and recent accumulations have been reduced.

Copper—Production of crude copper in June was 32,771 tons against 31,897 tons in May, according to a summary compiled by the Copper Institute. Refined output in June amounted to 23,870 tons, compared with 20,551 tons in the preceding month. Stocks of refined copper at the end of June were 79,145 tons against 75,754 tons on May 31.

Fluorspar—Output of fluorspar in May was 33 percent less than in April and the lowest recorded since January, 1942, according to the Bureau of Mines. The loss in production was more pronounced for the metallurgical and acid grades than for the ceramic grade. The decline in production was caused chiefly by the suspension of operations at some mines and mills because of lack of coal resulting from the coal strike. Also contributing to the loss was a strike at one of the largest producing fluorspar mines. Likewise, shipments of fluorspar were substantially less than in April. Mainly because of the strike at coal mines with the resulting curtailment of iron and steel furnace operations. Consumption of fluorspar in May was 17 percent less than in April. After increasing for six consecutive months, usage at hydrofluoric-acid plants declined moderately. Production in May was 13,248 tons. Stocks at mines on May 31 were 21,665 tons.

Glaubers Salt — Production was moderately higher in May. The total registered 14,592 tons, compared with 13,485 tons in the preceding month.

Magnesite — Mine production of crude magnesite in 1945 was 336,458 short tons, according to the Bureau of Mines, the lowest since 1940, but still high compared with prewar figures—the 3-year average of 1937-1939, for example, being 166,000 short tons. The main reason for the decline was the closing of the giant flotation plant in Nevada, which had provided raw material for much-needed magnesium metal during 1943-1944.

Molybdenum—Measured in pounds of molybdenum contained, production and consumption of molybdenum concentrates and molybdenum products continued the uninterrupted decline in the first quarter of 1946 from the all-time record established in 1943, according to the Bureau of Mines. Production of concentrates and products exceeded consumption by 759,400 pounds (contained Mo). However, the net result of this excess of production over consumption and an excess of exports over imports has been an increase in inventories of molybdenum in concentrates and products of 313,500 pounds. Stocks held by producers and consumers on March 31 were 12,644,000 pounds against 12,828,700 pounds on December 31, 1945.

Salt Cake — Production of crude commercial was well maintained troughout May. Output amounted to 30,558 tons, compared with a revised total of 30,650 tons in April.

Soda Ash—Current production has been shipped against regular contracts. Deliveries are considerably behind schedule and the market holds the same tight position recently noted. There is very little resale material reaching the open market and buyers who are forced to operate have found prices substantially above the contract basis.

Soda Caustic—Only old lots of resale material have been available in the open market at irregular prices but materially above regular contract figures. Output, while showing improvement, is considerably behind schedule and is being channeled against contracts held by consumers. The market position is definitely tight.

Soda Phosphate—Production of the different varieties of soda phosphate is recovering gradually from the

For Late Market Developments, See Page 4

COLUMBIA
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serious cutback resulting from the recent coal strike and the stringency in soda ash. Demand has continued considerably ahead of output and the markets retain a definitely tight condition. Production of monobasic in May was down to 504 tons against 1,054 tons in April. Dibasic output totaled 2,876 tons, compared with 5,961 tons in the preceding month. Tribasic production registered 6,087 tons against 8,638 tons in April.

Soda Silicate—Soluble silicate glass, liquid and solid production in May was 29,198 tons, compared with 29,914 tons in April.

Soda Sulphide—This material has tightened appreciably with inventories at a minimum level. Labor difficulties are said to have disrupted production while demand for home and export requirements has increased. The supply position was exceedingly tight at the close of the week.

Tin—Third quarter pig tin quotas have been increased 10 per cent over the second quarter and have also been combined for all products, to allow manufacturers greater latitude in the production of tin containing products, the CPA stated. This increase was granted despite further expected inroads on government stocks, the agency reported. At the same time, controls have been established for the first time on secondary tin to provide a more equitable distribution of all tin containing metals. These changes have been incorporated in a revised tin conservation order M-43.

Vanadium—In terms of vanadium content, receipts of domestic ore at mills, consumption of materials of domestic and foreign origin, and imports of ores and concentrates in the first quarter of 1946 were all less than those in any quarter of 1945, according to the Bureau of Mines. Domestic ore received at mills during the first quarter amounted to 203,240 pounds, imports were 201,131 pounds.

Acids

Chromic—Heavier demand for plating requirements has increased the pressure for shipments. The market has remained tight with production insufficient to meet domestic contract schedules promptly while export trade has been temporarily neglected. Importations of 5,500 tons and 1,547,000 pounds of chrome ore were recorded during the past week.

Formic—Stocks short with demand exceeding production and shipments behind schedule. Producers not eager to increase commitments until market is brought into a better state of balance.

Hydrofluosilicic—Demand has been satisfied readily from adequate stocks. Buying interest was mostly from the breweries and chrome platers.

Oxalic—No improvement in buying conditions could be noted. There is a heavy backlog of unfilled miscellaneous orders that are waiting to be satisfied and producers are not inclined to accept additional business until their inventory position shows a better degree of balance.

Sulphuric—Steady shipments from producing plants have checked stock accumulations and the current market showed a well balanced condition. Industrial demand had a tendency to increase while the agricultural inquiry held a satisfactory seasonal average. Export demand for high test acid was active and covered a rather wide area.

Baltimore, July 19.—Production of sulphuric acid by plants here is proceeding satisfactorily with the exception of the suspension of operations in the factory of a major producing plant which was temporarily interrupted by an accident and repairs are taking longer than had been supposed because of the labor and material situation. Otherwise output is large enough to take care not only of the government requirements but the needs of the industries that use acid in their processes. No change has been made in conditions either as to price or otherwise, and since the plants are virtually automatic in their equipment, the labor element cuts no important figure in business. Prices of acid-making materials tend upward, but the industry is reported to be profitable.

L.A. Chemical Co. Fire Does $100,000 Damage

Damage estimated at $100,000 was done to the South Gate, Cal., plant of the Los Angeles Chemical Company by a recent fire that started with an explosion of cleaning solvent materials and was fed by smaller explosions of tanks containing other chemicals. The eighteen fire companies that battled the blaze were able to save an office and laboratory on the twelve-acre plant site.

Marathon Paper Mills Elects Stevens President

John Stevens, jr., has been elected president of the Marathon Paper Mills of Canada, Ltd., to succeed D. C. Everest, who became chairman of the board. Leo E. Croy, formerly vice-president in charge of sales, was elected executive vice-president in charge of all marathon operations in the United States, with the exception of those of the chemical division. Roy J. Sund, production manager of marathon converting plants, was made vice-president in charge of all the companys' United States manufacturing, except chemicals.

Antimony Secondary Recovery Up 8 Percent

OPD Washington Bureau

Recovery of secondary antimony in lead-base and tin-base alloys totaled 17,148 short tons valued at $5,432,486 in 1945, an increase of 8 percent over the 15,886 tons valued at $5,032,685 recovered in 1944, according to the Bureau of Mines, United States Department of the Interior.

Garfienkel Chemical Forms Export Corporation

Louis Garfienkel recently was elected president and director of the newly-organized Garfienkel Export Corporation, a Western Hemisphere division of the Garfienkel Chemical Company. Mr. Garfienkel also has been president and director of the latter company since it was founded.

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U. S. Rubber Merges Two Divisions' Activities

Coordination of industrial relations activities for the Naugatuck Chemical and Synthetic Rubber divisions of the United States Rubber Company, under William E. Bradford as service manager, has been announced by John P. Coe, vice-president and general manager of the divisions.

Mr. Bradford will make his headquarters at the synthetic rubber plant operated by the company at Naugatuck, Conn. He will supervise industrial relations for the Naugatuck synthetic rubber plant, the Naugatuck plant of the chemical division and the two company-operated synthetic rubber plants at Institute, W. Va., and Los Angeles, Cal.

A veteran of thirty-two years service with the rubber company, Mr. Bradford joined the staff of its Detroit tire plant in 1914. At Detroit he served as production supervisor and assistant manager of industrial relations. He was transferred to the synthetic rubber plant operated by the company at Institute as assistant service manager in 1944. Five months later he became service manager, in which capacity he served until his present appointment.

WAA Relationship With RFC Clarified

OPD Washington Bureau

A new order clarifying the relationship between the War Assets Administration and the Reconstruction Finance Corporation in the purchase by RFC of surplus personal property for resale to small business has been issued by Lt. Gen. Edmund B. Gregory, WAA Administrator.

The latitude RFC has in such purchases was emphasized by issuance of the order. It points out that the RFC may acquire surplus personal chases by the RFC for resale to small business are made on a third priority basis and are preceded only by purchases by Federal Government agencies and veterans of World War II.

Recently, regulations 5, 10 and 20 were revised so that the RFC would use a No. 2 priority for the purchase of surplus property for resale to small business.

Surplus Chemicals Offered by WAA

OPD Washington Bureau

The War Assets Administration, McDermott building, Seattle, Wash., is offering for sale the following:—

Soda lime, formaldehyde, mercuric salicylate, procaine, oil chenopodium, santonin, sulfadiazine, ephedrine sulphate, sodium alurate, sodium citrate, copper sulfate powder, zinc oxide, sodium cacodylate, tannic acid ointment, etc.; new; various locations.

Bids will be opened July 30; must be marked sales No. 11-4-10-41646.

USI Stockholders Vote To Double Shares

Stockholders of the United States Industrial Chemicals, Inc., New York, have voted to increase the authorized number of shares from 500,000 to 1,000,000. The directors have no immediate plans for issuance of any additional stock.

Herbert Joins Hewitt

Howard D. Herbert, for fifteen years with the Goodrich Tire & Rubber Company, Akron, Ohio, has joined the Restfoam sales department of the Hewitt Rubber Company, Buffalo, N. Y.

Obituaries

—Continued from page 4

July 12. He was fifty-four years of age.

Mr. Kenney, a native of Plainfield, N. J., received his chemistry degree from Pennsylvania State College in 1915. He was a chemical engineer with several chemical and paint companies until he joined the technical sales service department of Barrett in 1926.

Lt. Col. W. George Devens

Lt. Col. W. George Devens, chief of the Ordnance Chemical Warfare Section, Office of the Director of Service, Supply and Procurement, War Department General Staff, died recently of a heart attack in the Pentagon dispensary. He was forty-five years old.

Walter M. Drury

Walter Maynard Drury, a vice-president of the American Smelting & Refining Company, New York, died July 17 of a heart attack in the house in which he was spending the summer at Santa Barbara, Cal. He was sixty-six years of age.

Mr. Drury graduated from the Massachusetts Institute of Technology in 1903, and immediately entered the employ of the mining company, with which he remained throughout his career. From 1913 until his election as a vice-president in 1944, he was general manager of the company's metal mining department in Mexico.

At his death, Mr. Drury was a director of several corporations, including Cia Minera Nacional, Montezuma Lead Company, Intercontinental Rubber Company, Brandreth Manufacturing Company, Towne Securities Company and the Continental Rubber Company of New York.

Samuel Turkus

Samuel Turkus, founder of the former Union Smelting & Refining Company, New York, died in East Orange, N. J., July 16. He was sixty-six years of age.

Mr. Turkus founded the company in 1904, and transferred the plant to Newark in 1917. In 1931 he merged with the American Smelting & Refining Company, and at his death was manager of the company's federated metals division. During the past war he developed a method of conserving tin which was used widely in war industries.

Dr. Theodore B. Beckwith, bacteriologist, died in Los Angeles July 18. He was sixty-six years old. Dr. Beckwith, best known for his studies of germicides, had taught at the University of California since 1932.

Eugene Rolland, president of the Fourco Glass Company, the Rolland Glass Company and the Adamston Flat Glass Company, all of Clarksburg W. Va., and the Harding Glass Company, Fort Smith, Ark, died in Clarksburg, July 16. He was sixty-one years old.

Mrs. Lee R. Bromund, wife of Jesse F. Bromund, owner of the E. A. Bromund Company, wax refiner, New York, died in Eastview. N. Y., July 13.

Charles N. Coryell, president and owner of Woods & Chatellier, Inc., manufacturer of metal and plastic novelties, New Rochelle, N. Y., died in that city July 14. He was sixty-five years old.

William A. Dougherty, a sales representative for the Crown Cork & Seal Company, Baltimore, died in New York July 16, after an illness of several weeks. He was sixty-four years old.

John W. Fowler, a director of the United States Gypsum Company for forty-two years, died at Chicago, July 15. He was seventy-nine years old.

Edward L. Lefler, a clerk for the Asiatic Petroleum Corporation, New York, died at Bronxville, N. Y., July 12. He was sixty-six years old.

John C. Treadwell, former vice-president and general manager of Intercontinental Rubber Company, died at Green Farms, Conn., July 13. He was seventy-seven years old.

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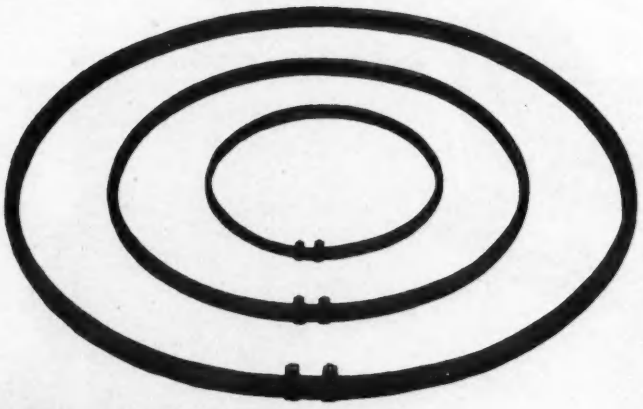

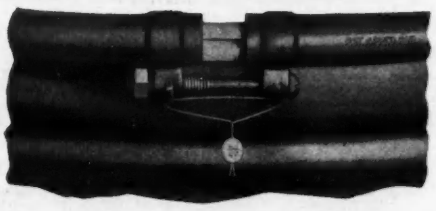

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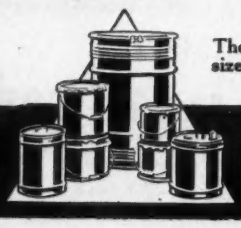

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Secondary Lead Recovery Was 363,039 Tons in 1945

OPD Washington Bureau

The secondary lead industry continued operations at a high level in 1945, with 363,039 short tons of lead valued at $46,468,992 recovered from scrap, compared with 331,416 tons valued at $42,421,248 recovered in 1944, according to the Bureau of Mines, Department of the Interior. This increase in production from secondary sources did much to offset the declining domestic production and dwindling imports of primary lead.

Secondary Magnesium Yield Totaled 9,247 Tons in 1945

OPD Washington Bureau

The recovery of secondary magnesium (including alloying ingredients) during 1945 totaled 9,247 tons, a decrease of 35 percent from the 14,185 tons reclaimed in 1944, according to the Bureau of Mines, of the Department of the Interior. The value of secondary magnesium recovered in 1945 was $3,791,270 compared with $5,815,850 in 1944.

Streptomycin Civilian

—Continued from page 3

$1,000,000 the grants-in-aid to the Council by the streptomycin producers.

Dr. Keefer said that at present there is not sufficient streptomycin available to provide for the treatment of tuberculosis. Dr. Keefer said that experimental work carried on so far on tuberculosis gives increasing promise that the drug will find a definite place in the treatment of this disease. He emphasized, however, that streptomycin will supplement, not replace, the present accepted methods of treatment.

Due to the limited production of streptomycin, he said, and the great quantities needed for treating this disease, its use must be restricted to research cases started before the setting up of the present program. Dr. Keefer pointed out that treatment of individual cases of tuberculosis for the minimum period of three months costs about $4,000 for the drug alone.

It was suggested that CPA make an allocation from the streptomycin supply which will be used for further study of the use of the drug in tuberculosis treatment. Initial allocations of streptomycin for July in billions of units are: Military, 24,485; other government agencies, 7,166; civilian and research, 11,180.

The production figures for penicillin, the companion drug to streptomycin, continued to show an increase over March production. The May figure of 2,190.79 billion units represents a slight drop from April (2257.63 billion units). March figure was 1838.01. Initial allocations of penicillin for July in billion of units are:

Military (parenteral) 166.372; other government agencies (parenteral) 35.000; domestic civilian (perenteral) 702.188; domestic civilian (bulk) 355.000; domestic civilian (other dosage forms) 295.700; export (parenteral) 1350.000.

Gets Plastics Post

Dr. Robert M. Evans has been named assistant manager of the industrial division of the plastics department of E. I. du Pont de Nemours & Co., Wilmington, Del. He will take office about August 1. Mr. Evans was formerly manager of the division handling du Pont's part in the atomic energy project.

Tin Secondary Recovery Up

OPD Washington Bureau

Secondary tin recovered from scrap in 1945 totaled 35,133 short tons valued at $36,538,320, compared with 32,589 tons valued at $33,892,560 recovered in 1944, according to the Bureau of Mines.

Antimony Shortage

—Continued from page 5

metal, 91 tons of oxide, totaling 6,633 tons. Private stocks at April 1, 1946, totaled 13,978 tons; 7,124 tons of ore, 2,032 tons of metal, 2,163 tons of oxide, 191 tons of sulphide, and 2,468 tons of scrap.

U. S. Imports

	Tons	
	1945	First quarter, 1946
Ore—		
Mexico	8,290	1,559
Peru	1,443	28
Chile	1,564	.....
Bolivia	11,374	100
Other	123	8
Total	22,767	1,695
Metal—		
China	492	1,011
Mexico	.....	.....
Peru	56	.....
Total	22,767	1,695
Total imports	23,315	2,706

Consumption by class of product in terms of tons of antimony content:—

	Tons	
	1945	First quarter, 1946
Metallic products—		
From primary antimony	12,606	3,065
Frim scrap antimony	16,905	4,635
Total	29,511	7,700
Non-metallic products—		
Flameproofed textiles	7,675	39
Paint and lacquer	3,052	393
Glass and pottery	304	79
Frits as dceramic enamels	936	364
Miscellaneous chemicals	1,179	415
Totals	13,146	1,290

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FTC Waterproofing

—Continued from page 3

will render the structure impermeable to water and moisture throughout the life of the structure under any condition whatsoever, are:—

If a product will effect such impermeability for a substantial period which is less than the life expectancy of of the unit or structure, or will render units or structures impermeable to water and moisture under some but not all conditions of use, then such product may be described as being "waterproof," "waterproofing," etc., if there appears a full and nondeceptive disclosure of the fact that the impermeability is not assured beyond a stated period or will not obtain under specifically stated conditions, or both, as the case may be.

Waterproof Defined

This rule shall not be construed as prohibiting use of the term "waterproof" or "waterproofing" to describe a product which—

(a) Is disclosed as being only for structures of a certain specified kind or kinds of masonry and of a specified functional types, and for and during the life of any such structure will effect impermeability to water and moisture under such conditions as to water and moisture contact and exposure as may reasonably be expected to be encountered by structures of such kind and type, or

b) When such impermeability will obtain for a substantial period but less than the anticipated life of such structure and such period be also clearly and nondeceptively disclosed; provided, that if such product will not effect the required protection with respect to below-grade structures, then specification of the functional type of the structure must be such as to clearly indicate that below-grade structures are not included.

'Brush-on' Types

The complaints against this rule came largely from those manufacturers of the "brush-on" types of waterproofing materials. They charged that it would be impossible for industry to comply with the requirements because it is impossible for any manufacturer to foretell on what type of structure his material will be applied, or the life expectancy of the structure. The requirement that disclosure be made that the material is a waterproofing for only certain specified kinds of masonry and of a specified functional type, they said, would place an unreasonable burden upon advertising of their products.

They contended that the commission was insisting upon a strained interpretation of what is meant by the term "waterproof," and asked for substitution of a more liberal rule to the effect that waterproofing means only that it will render the structure impermeable to water, without the industry being compelled to state the limitations and conditions. The same arguments also were registered against other sections of the rules dealing with dampproofing.

Paint Industry

One of the points stressed by the opponents that the paint industry is not required to conform to such strict rules as proposed for the waterproofing industry, such as having to state the life expectancy of the paint, and there was no reason for imposing such a rule on waterproofing manufacturers. It was suggested by one of the group that the industry be required to disclose only the materials in their product, such as is the case with paints and insecticides, and let the purchaser decide for himself the quality of the product as a waterproofing compound.

Others in the industry, however, expressed no great apprehension over the burdens placed on the industry by the rules, and indicated their willingness to accept them as written except for a few minor clarifications in language which did not touch on the fundamentals.

Butyl Alcohol, Acetate

—Continued from page 5

to withhold manufactured products awaiting possible price increases.

In no way do the special rules applying to the listed finished products or the general restrictions on processing in the regulation itself impede or restrict production. The purpose of the entire regulation is to restrict receipt of scarce materials by manufacturers or processors who are not speeding their finished products to the consumer. It is essential that those materials go to those who are not speeding their finished products to the consumer. It is essential that those materials go to those who will put them to immediate use.

Also added to the inventory list of PR-32 were a number of items in the construction field such as asphalt and tarred roofing products, building board and insect screen cloth.

Several changes, for purposes of clarification, also were made in the wording of the regulation. For example, it is now stated that the regulation applies to all persons buying for use or resale, including persons buying for export use only, and excludes only ultimate consumers buying for personal or household use. Likewise, it is pointed out, certain materials are under the jurisdiction of other government agencies, and it is stated in the regulation that foods for humans or animals, tobacco and tobacco products, oils and fats, petroleum and petroleum products and coal are not subject to the restrictions of PR-32.

That part of the regulation dealing with general restrictions on processing of materials has been reworded to make it clear that processing of any material may only be at such rate that the manufacturer's inventory of the material in its processed, finished or otherwise altered form including the form in which he sells it, does not exceed a practicable minimum working level, and that this restriction applied whether the manufacturer does his own processing or has it done for his account by another. It also emphasizes that he may not exceed this limit by causing or permitting avoidable delays in transportation, storage or processing.

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ACS Activities

—Continued from page 7

livered at sessions to be held in connection with the society's 110th national meeting, according to an announcement by Dr. Stewart S. Kurtz, jr., of Sun Oil Company, Norwood, Pa., chairman of the division. Bruce K. Brown, general manager of research and development of the Standard Oil Company of Indiana, will speak on "Petroleum from 1921 to 1971" at a dinner on September 10.

Dr. Charles L. Thomas, research director of the Great Lakes Carbon Company, Chicago, is directing arrangements for the celebration. Dr. Thomas is vice-chairman of the division, which, with 1,300 members, is the largest of the society's eighteen professional divisions.

The society also announces it has issued a bulletin listing 400 films on chemistry as a guide to teachers, scientific organizations and other users of educational films.

The bulletin, entitled "Films on Chemical Subjects—1946" and compiled by William B. Lodder and Olive Noble of the society's staff, gives a brief description of each picture and tells where it may be rented or borrowed. The films are grouped by subjects, which range from abrasives and agricultural chemistry to water and wood.

Single copies of the bulletin may be obtained free from the society's headquarters, 1155 Sixteenth Street, N. W., Washington 6, D. C.

North Jersey

Dr. William J. Sparks, associate director of the chemical division of the Standard Oil Development Company, research unit of the Standard Oil Company of New Jersey, has been elected chairman of the society's North Jersey section. He succeeds Robert Waterman, of the Schering Corporation, Bloomfield, N. J.

Other officers elected for 1946-47 are Dr. Ira D. Garard, of the New Jersey College for Women, chairman-elect; Theodore R. Donlan, of New Jersey Standard, secretary, and George N. Vacca, of the Bell Telephone Laboratories, Summit, N. J., treasurer.

Dr. Sparks was a chemist with the Sherwin-Williams Company, paint manufacturer, from 1926 to 1929 when he joined the electrochemicals division of E. I. du Pont de Nemours & Co., Wilmington, Del. In 1939-40 he was principal chemist and chief of the oil and protein division of the Department of Agriculture's northern regional laboratory at Peoria, Ill. He has been associate director of Standard's chemical division since 1941.

Eastern New York

Dr. Winton Patnode, liaison representative for the research laboratory of the General Electric Company, Schenectady, N. Y., has been elected

Dr. Winton Patnode

chairman of the Society's eastern New York section. He succeeds Dr. Wolfgang Huber, chemical director of the Electronized Chemicals Corporation of New York.

Other officers of the section for 1946-47 are: Professor Oscar E. Landford of State Teachers' College, Albany, vice-chairman, and Dr. Egbert K. Bacon of Union College, Schenectady, who was reelected secretary-treasurer, a post he has held since 1930.

Dr. Patnode, who headed the plastics group of the society's paint, varnish and plastics division in 1940, was a chemist with the Eastman Kodak Company in 1927-28 and has been with the General Electric Company since 1931.

Pacific Coast Borax Company, Los Angeles, is building a new ore building in San Pedro, Cal., at a cost of $28,000.

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Textile and Leather Chemicals

Another advance in the price of corn dextrins and starchs was noted last week, as the result of the steadily mounting costs of corn since the price controls were discontinued. Dextrins and starchs were boosted $1.71 per 100 pounds. Supply situation has not shown improvement though production was extended by government loaned corn. Available stocks for the regular trade were scanty as the most of the current output was absorbed against barter transactions. From present indications little, if any, improvement was expected until new crop; the harvesting of the new corn crop starts sometime in September. Trading in tapioca starch was practically at a standstill, because of the pending OPA legislation and the sharply higher prices quoted for shipment from Brazil. Most business of late has been transacted in low grades as the better grades were not offered. This business also ceased, because of the further boosts in asking prices. Moderate output of potato starch was readily absorbed at increased quotations and the demand continued far in excess of supplies. Several mills in Maine and Idaho were operating on out of state potatoes and were expected to continue until local grown taters become available in the early Fall.

Conditions in tanning materials continued quiet and unchanged last week. Tanners were in the market for replacements for quebracho extract and wattle bark and extract. Trading, however, was affected by the scarcity of offerings for shipment from primary centers. Other materials attract little buying interest and prices while unchanged were merely nominal in the absence of transactions.

Market Trends

Prices Advanced

Corn dextrine, $1.71 per 100 lbs.
starch, $1.71 per 100 lbs.
sugar, $1.75 per 100 lbs.
syrup, $1.75 per 100 lbs.
Zein, 6c. per lb.

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
297.2	295.8	288.4	293.8

(For Current Prices see Page 9)

Chemicals

Bichromates—Steady consuming demand has kept stocks down. Withdrawal against contracts absorbed the bulk of the output. Market was firm and unchanged at ceilings.

Potash, Prussiate—A good volume is moving steadily against former orders. Inquiry was reported fairly active with supplies well held at current levels.

Sizing Materials

Albumen, Egg—Business was limited to small lots at ceilings while large quantities were available well below current levels last week. Supplies were not heavy, but more than sufficient to meet the present demand. An active inquiry for export was reported for shipment, but business was not consummated.

Corn, Sugar—Prices were advanced $1.75 per 100 pounds for all grades last week. Tanners, chipped was boosted to $6.467 per 100 pounds, barrels, carlots New York and $6.511 for smaller quantities.

Dextrine, Corn—Higher cost of corn was reflected in this market and prices of all dextrin grades were advanced $1.71 per 100 pounds. Demand continued urgent, with supplies scarce. Production was delivered against previous orders. British, gum was increased to $7.891 per 100 pounds, bags, carlots, New York canary, $7.641, dark, $7.741, and white, $7.571, same basis. Less than carlots were 10c. per 100 pounds higher.

Egg, Yolk—Small lot trading continued in this product at ceilings. Supplies were fairly liberal and large lots it was stated could have shaded ceilings. Scarcity of sugar, flour and other raw materials continued to affect demand.

Sago Flour—A limited quantity on the spot was closely held at 14c. per pound. Sales of small lots were reported at this figure. Business was reported recently for shipment from Java, subject to the granting of export permits, but no offers were reported during the past two weeks.

Starch, Corn—As a result of steady advances in cash corn during the past two weeks, prices of all grades of starches were increased $1.71 per 100 hundred pounds last week. Pearl was advanced to $6.28 per 100 hundred pounds, bags, Chicago and $6.681 New York and powdered, $6.38 Chicago and $6.791, New York, same basis. There has been little improvement in tight supply situation, with the bulk of production reported moving against barter transactions and a limited supply available for delivery against contracts. Purchases of cornstarch totaled 63,650,000 pounds at the cost of $2,818,320 were reported in May by the Department of Agriculture.

Starch, Potato — Active demand readily absorbed light production in Maine and Idaho. Sales were reported at 17c. per pound, f.o.b. carlots mills. Consumers were in the market and supplies moved from plants as soon as available. Mill in Maine were grinding potatoes from the South and production costs have been increased by the high percentage of spoilage enroute to the plants, it was stated.

Tapioca Flour—Trading was affected last week not only by the pending OPA legislation, but by the sharp advances in quotations for shipment from Brazil. Offerings of the best grades continued scarce and low grades were boosted up to 14c. per pound, f.o.b. Brazil. This caused buyers to practically withdraw from the market. Arrivals of tapioca flour were reported at 6,090 bags and of 82,330 bags of manioc flour at New York last week. Some 5,500 bags of the latter were detained last week because of insect infestation.

Zein—Higher production costs resulted in a firmer market. Prices were increased 6c. to 31c. per pound, bags, works. Demand continued active and exceeded the supply.

Tanning Materials

Chestnut Extract — Withdrawals against former orders were in steady call. Supplies were reported light as production has been allocated.

Divi Divi—While trading was slow, the market reported unchanged and steady. Offerings from primary centers were light and held at former levels.

Myrobalans—Imports totaled 6,925 bags and 500 bags of powdered myrobalans at New York last week for delivery against former orders. Inquiry for replacement was reported inactive and the quotations for shipment were unchanged were entirely nominal at current levels.

Mangrove Bark—Arrivals of bark totaled 4,400 bags at New York last week for delivery on previous contracts. Business was quiet, last week as tanners showed little interest in replacements. Primary markets were unchanged and more or less nominal.

Quebracho Extract—Consuming inquiry for nearby and forward requirements was reported quite active. Trading was restricted owing to the scarcity of offerings. Market was firm and unchanged Tanners inventories have been replenished by the recent heavy imports during the last few weeks.

Tara Powder—Buying interest was fairly active both for pods and powder. Offerings for shipment were scarce with sellers ideas far above ceilings. Stocks on the spot were reported scanty.

Wattle Extract—Lack of offerings for shipment continued to retard business in both bark and extract. Reports stated that plants were shut down for the summer and offers were not expected until late in August. Arrivals of extract totaled 18,294 bags and 18,322 bales of bark for delivery at U. S. ports last week against prior contracts.

For Late Market Developments, See Page 4

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Coaltar Chemicals

Production of the coaltar chemicals is making gradual progress toward the restoration of normal dimensions. There is still a labor shortage and delays in shipping machinery replacements. Pressure of the war effort had its effect on several producing plants and it is necessary to replace worn out facilities. Steel production advanced to 87.9 percent which was slightly above the preceding week. The general demand was active with the market tone firm and prices showing a tendancy to harden. It appeared that the assimilation of increasing costs that have been absorbed by producers for more than four years might crystalize in some sort of price revision when price control is clarified or possibly before.

Benzol was available for prompt shipment for home and export under limitation quantities. Creosote oil had the appearance of remaining tight for an indefinite poriod as production has been heavily sold ahead. A similar condition prevailed in cresylic acid. All grades of naphthalene were short and showed no signs of easement. The pharmaceutical grades of pyridin were exceedingly tight. Phenol was heavily under contract. Coaltar xylol continued definitely tight while toluol was under less pressure with prompt shipments available. No price revisions were reported in the intermediates or dyestuffs but the undertone was firm in sympathy with basic materials.

Steel operations for the week beginning July 15 were scheduled 87.9 percent of ingot capacity, compared with 87.8 percent in the preceding week, according to the American Iron and Steel Institute. A month ago the indicated rate was 84.2 percent. The present schedule is equivalent to the production of 1,549,100 net tons of ingots and castings, compared with 1,547,400 tons for the previous week and 1,644,800 tons for the corresponding week in 1945.

Production and supply figures in some of the following market reports were released by the Bureau of Mines and refer to coke by-products unless oterwise specified.

Basic Products

Benzol—All requirements have not been covered and some tight spots were revealed in nearby areas but the general situation has shown gradual improvement. Demand was active particularly from the former government owned synthetic rubber plants which appeared to be running at capacity. At the close of the week, it looked as though a fair degree of balance had been restored.

Coaltar — Demand was active enough to tax the production of crude. There were no inventories as output was channeled to consumers as soon as available.

Creosote Oil — Continued in definitely short supply with demand considerably ahead of production and no apparent relief in sight.

Cresylic Acid — No sign of easement from the tight position of this market could be noted. Current production is insufficient to satisfy demand and there is not enough imported coming in to accord any real relief to the tight supply condition. Contract shipments constituted the week's movement.

Naphthalene — Current production has not been able to catch up with the heavy demand for all grades of this material. There was an exceptionally active call from the manufacturers of phthalic anhydride that could be traced back to the synthetic resin industry. The market position for napthalene was definitely tight.

Phenol — Current demand from major consuming industries has the entire production of natural and synthetic under contract for an indefinite period. Producers are not eager for new business until there are indications of current contract shipments being evened off.

Pyridin — Stocks of refined and crude continued at a low level with market position tight. Production of crude was 25,184 gallons in May, against 22,337 gallons in April. Stocks at the close of May were 4,652 gallons of refined and 102,329 gallons of crude, compared with 5,568 gallons of refined and 111,019 gallons on April 30.

Solvent Naphtha—May production was down 17.6 percent from April for refined light solvent. The totals registered 20,305 gallons for May and 24,643 gallons for the preceding month. Crude heavy solvent was down 39.9 percent at 145,850 gallons in May and 242,848 gallons in April. Stocks of light were 50,408 gallons and 169,672 gallons of heavy crude on May 31 compared with 33,384 gallons of light and 170,037 gallons of crude on April 30.

Toluol—There did not appear to be as much pressure to sell this material as noted in June and it was stated that the assimilation of government stocks was making considerable progress. Producers were able to accept orders for prompt shipment.

Xylol — Coaltar xylol remained scarce with many consumers taking the petroleum product as a substitute. Demand from the lacquer, varnish and enamel industries continued active.

Chicago, July 19.—Call for representative grades of coaltar bases was active with the market apparently waiting to see the outcome of uncertainty over price control. Offerings were not large. Benzol attracted continuing interest. Ruling prices exclusive of tax were: Benzol, pure, in tankcars, freight allowed 15c. per gallon; toluol, 2-degree, same basis, 27c.; 10-degree xylol, same basis, 29c.; industrial xylol, same basis, 26c.; solvent naphtha, same basis, 27c.; creosote oil, grade 1, 15½c.

Hydrogenated Solvents

Although the general market has continued tight, progress has been made in production and there are possibilities that gradual improvement may be realized within a month or two. Stocks were recently brought to a relatively low level through a cutback in production from fuel shortage and it is taking some time to restore the market to a normal state of balance.

Coaltar Acids

Anthranilic — Shipments are confined to consumers under contract and production has not been sufficient to even off schedules. The market position is tight with very little resale material reaching the open market.

Fumaric — No improvement could be noted and the market situation is just as tight as noted earlier in the year. Pressure for use mainly in the synthetic resin industry is well ahead of current production.

Gamma—In a similar position to most of the other coaltar acids. Demand has exceeded production keeping stocks at a definitely low level.

Maleic—Demand for synthetic resins and protective coatings has shown no sign of diminishing. Shipments have been confined to regular consumers.

Malic — Production has not been sufficient to build up inventories. Meeting essential requirements of regular consumers is about the best that can be said at present.

Other Intermediates

Anilin—Production has eased the supply slightly and material of limited dimensions was available for domestic use. The inventory position has not been restored sufficiently to permit the placing of export business and it was stated that a sizable foreign inquiry is unsatisfied.

Anthracene — No appreciable im-

For Late Market Developments, See Page 4

Market Trends

Prices Advanced

None

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
128.6	128.6	127.3	129.2

(For Current Prices see Page 9)

KOPPERS

coal-tar chemicals

BENZOL
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OPD—7-22-1946 45

provement could be noted in the inventory position. Producers were only able to supply limited quantities. Higher prices have been established in the United Kingdom while the tone of the domestic market has remained firm.

Diethylaniline—Firm but without price change regardless of higher prices for the basic material. Production said to be moving almost entirely to dyestuff consumers who hold contracts.

Diphenylamine—Short with all material possible being shipped to regular contract consumers. No supplies appeared to be offered for resale in the open market.

Phthalic Anhydride—Stringency in crude naphthalene is limiting progress in expanding production of this intermediate. There appeared to be a large backlog of orders to be satisfied before the market can assume a balanced condition. Meanwhile, the supply situation continued tight.

Coaltar Colors

Essential requirements of the leather, rayon, textile and other consuming industries are being covered on a fairly prompt basis. Pressure for shipments, however, has kept stocks at a low level and the general market has not eased from its tight condition. There is not enough material to satisfy export demand which has been steadily increasing.

Surplus Plants Offered by WAA

The War Assets Administration is offering, for sale or lease, the following surplus plants:—

A Kobuta, Pa., plant, leased and operated during the war by the Koppers Company, which has a reported cost to the government of $60,000,000 and a rated yearly capacity of 80,000 short tons of butadiene and 37,500 short tons of styrene.

Plant A of the Holston Ordnance Works, Kingsport, Tenn. The plant, offered in whole or in part, was designed for the manufacture of, and is capable of a daily production of 1,440,000 pounds of acetic anhydride; 3,200,000 pounds of concentrated acetic acid, and 200,000 pounds of new acetic acid. Detailed information may be secured at the WAA office, Consolidated - Vultee building, Nashville, Tenn.

Two magnesium plants in Velasco and Freeport, Tex., leased and operated during the war by the Dow Magnesium Corporation and the Dow Chemical Company to produce magnesium from sea water and oyster shells. The Velasco plant, built by the government at a reported cost of $56,685,000, has a rated yearly capacity of 72,000,000 pounds of magnesium. The Freeport plant, reportedly costing the government $8,247,000 to build, was designed to augment production of the lessee by 18,000,000 pounds of magnesium ingots.

A complete silica alumina catalyst manufacturing plant with a rated capacity of 10,800 tons per year has been offered for sale or lease by the War Assets Administration. Situated in Cincinnati, Ohio, the plant was leased and operated during the war by the Diakel Corporation for the production of catalyst for use in fluid catalytic cracking units, the production being used largely in the manufacture of 100 octane aviation gasoline.

A Rockford, Ill., plant, leased and operated during the war by the W. F. & John Barnes Co., has been declared surplus to government needs and is offered for sale or lease by the War Assets Administration. Designed for the manufacture of grinding compounds, the plant has a reported cost to the government of $190,289.69.

A silica brick plant at Lehi, Utah, leased and operated during the war by Gladding, McBean & Co., as an assignee of the Emsco Refractories Company, has been offered for sale or lease. The plant has a total reported cost to the government of approximately $600,000 and a rated annual capacity of 4,000,000 silica brick. Production was intended primarily to supply the nearby Geneva Steel Plant with furnace linings. Engineering reports and specific data on this offer are available at the WAA Office, Salt Lake City.

Pitts. Coal Carbonization Changes Name to Disco Co.

The Pittsburgh Coal Carbonization Company, a subsidiary of the Pittsburgh Consolidation Coal Company, has changed its name to the Disco Company. There is no change in management or personnel.

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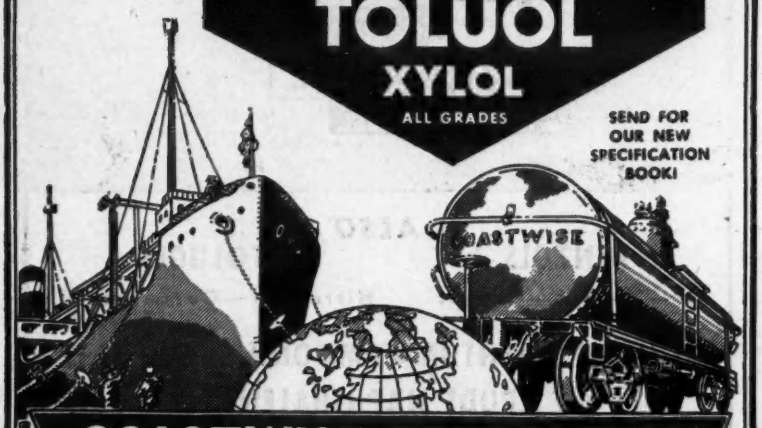

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Commerce Dept. Merges Four Units Under OTS

OPD Washington Bureau

The Department of Commerce has established an Office of Technical Services, headed by John C. Green, to consolidate the work of the Office of the Publication Board, Technical Industrial Intelligence Branch, National Inventors Council and the Production Research and Development Division.

According to Mr. Green, who had served as executive secretary of the OPB, the office will continue the work of the consolidated units and launch a new program of technical aid to industry. The 1946-47 appropriation, just approved by Congress, includes increased administrative funds for the new office, as well as $1,500,000 for research and development.

Fertilizers, Farm Equipment Sought by South Africans

OPD Washington Bureau

A purchasing mission representing a federal association of agricultural cooperatives in the Union of South Africa, the Boersake, has arrived in the United States for a stay of about six weeks, according to the Office of International Trade of the Department of Commerce.

The mission, which represents some 200,000 farmers in South Africa, will atempt to make arrangements for the purchase of agricultural equipment, especially farm machinery, fertilizers, lubricants and irrigation material. The group will make its headquarters in Chicago.

Gettinger Severs Connection With Smith-Douglass Co.

C. E. Gettinger, vice-president in charge of sales of the Smith-Douglass Company, fertilizers, Norfolk, Va., has resigned, with the intention of going into business for himself. He had been associated with the Smith-Douglass and Smith-Rowland enterprises for about fifteen years.

In a letter acquainting the trade with Mr. Gettinger's resignation, O. F. Smith, president of the Smith-Douglass Company said:—

We are very sorry to lose him. He is leaving us with what we believe to be genuine friendship on both sides, and he has our best wishes for success in such business as he shall ultimately decide upon and undertake.

OWMR Members Resign

OPD Washington Bureau

The White House has announced that President Truman had accepted the resignations of O. Max Gardner as chairman, and Chester C. Davis as a member of the advisory board to the Director of the Office of War Mobilization and Reconversion.

Mr. Gardner will continue as Undersecretary of the Treasury, while Mr. Davis plans to return to his former activities in the banking field.

Farm Research

—*Continued from page 7*

problem. It is equally important if agriculture and the Nation is to prosper, that there be an efficient marketing system to distribute in an economical and orderly manner that which is produced.

In connection with the committee's investigation of the marketing of farm products, pursuant to H. Res. 54, it has been developed that there is comparatively little information available on the costs, wastes, and inefficiencies of marketing and distributing agricultural products. Such information is fundamental in any thorough study of our marketing system. Without adequate information, no accurate analysis of the deficiencies in the distribution system can be made. Such information must be compiled if attention is to be focused on the weak spots and if ways and means for improvements are to be developed.

Provisions of the bill relating to production and utilization research authorizes research to encourage the discovery, introduction, and breeding of new and useful agricultural crops, plants, and animals, both foreign and native. It covers research relating to improving methods of production, research into the problems of human nutrition and research relating to the development of present new and extended uses of markets for agricultural commodities.

While a considerable part of the research would be carried on through the department, experiment stations and the land-grant colleges, there is also a provision that under certain conditions the Secretary may enter into contracts with such public or private organizations or individuals as he may find qualified to carry out research work authorized under the bill.

Canadian Fertilizer Imports Increased in First Quarter

Canadian imports of fertilizers increased 60 percent in value of the period January-March, 1946, from those in the like period of 1945, according to the Dominion Bureau of Statistics. They amounted to $1,171,000 and $723,000, respectively.

Imports of inorganic chemicals, with the exception of certain acids, in the first quarter of 1946 totaled $2,701,000, an increase of $304,000 over the same period in 1945.

Naugatuck Chemical Develops New Seed Protective Powder

The Naugatuck chemical division of the United States Rubber Company, New York, has developed a light yellow powder which the division claims protects corn and leguminous seeds, stored now for planting next spring, against decay and damage from weevils, grain moths and other insects. The powder is also said to check soil fungi when the seed is planted.

Trade Briefs

California Standard Oil Company will redeem August 15 all its serial notes due August 1, 1946 to 1955 inclusive. Payment will be at par plus 15-100 of 1 percent of principal amount for each full year remaining before maturity, plus accrued interest.

Westinghouse Electric Corporation, Pittsburgh, is issuing a new booklet which is a guide to properties and applications of eighteen recent metallurgical developments for engineers and designers in electronics, communications and other fields.

National Oil Products Company, Harrison, N. J., has retired the $1,811,000 outstanding amount of its 3¼ percent debentures due 1957, by means of long-term serial notes negotiated with the Chase National Bank, amounting to $1,500,000, and company cash.

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Agricultural Chemicals

Although potash contracts are being placed, there is hesitation to name contract terms for superphosphate and sulphate of ammonia until there is a clarification of price control. The situation in the organic nitrogenous materials is worse than at any time during the war. Restricted production and consequent low inventories left the overall market susceptible to an urgent feed demand and former ceiling prices have given way to substantial advances all through the list. Production has increased in the packing-house industry, but the flow of by-products to the market so far has been relatively small. No price changes were registered in the insecticide or fungicide chemicals. DDT production has fallen four to five months behind contract schedules on account of the inability to replace machinery that needs replacement from wartime pressure.

The decline in the production, shipments and consumption of normal superphosphate in May, 1946, compared to the previous month was due mainly to the seasonal drop. Production was 12 percent below last month and total disposition declined 26 percent. Stocks were lower than at any time during the last three years as total disposition continued to exceed production.

Nitrogenates

Ammonia Sulphate—Market conditions about the same as noted in the previous week. Producers are inclined to await clarification of price control before announcing specific contract terms. Coke by-product output in May was placed at 62,977,086 pounds, compared with 94,443,048 pounds in April, a decline of 33.3 percent. Stocks at the end of May were 31,463,294 pounds, against 30,351,505 pounds on April 30, according to the Bureau of Mines-Production covering 5 months of 1946 was 423,992,339 pounds compared with 668,157,000 pounds for the corresponding period in 1945.

Bone Meal—No material was offered in the local market. Last trading was at the former OPA basis. Reports were current that substantially higher prices had been paid. It was stated that sales as high as $72.00 a ton for steamed bone meal had been made in Chicago.

Dried Blood—Sales were reported at $10.00 to $10.50 per unit of ammonia with relatively little material offered. So far, the increase in packing-house operations has not substantially increased the flow of this material to the market.

Fish Scrap—Sales at Baltimore were reported at $100 to $125 per ton, analysis temporarely suspended. Shipments are being made to the Middlewest for feeding purposes.

Hoof Meal—Some sales were reported at $5.75 per unit ton while asking prices ranged from $6.50 upward to $9.00 at Chicago.

Nitrogenous Material — Producers were inclined to await further developments in the clarification of OPA. One of the major producing plants in this section remained closed on account of a labor strike. The market was reported a nominal affair.

Soda Nitrate—Market position continued tight. Domestic production was of better dimensions but not sufficient to releeve the supply position. Inquiry remained active.

Tankage—Additional sales were reported on the basis of $10.00 per unit of ammonia with sellers asking up to $10.50. Offerings were not liberal regardless of the higher prices named.

Phosphates

Phosphate Rock — Production of Florida and Tennessee rock has continued to move as rapidly as possible under a steady seasonal demand from acidulators. Shipments have kept the inventory position tight and so far there has been no opportunity to build up stocks.

Superphosphate—Buying conditions have remained tight with production restricted in this section by labor difficulties at a major producing plant. Some spot sales were reported at the former trading basis but no announcement of contract terms was made. Production of normal 18 percent in May was 616,680 tons, according to the Bureau of the Census. Production of concentrated 45 percent was 26,423 tons and the wet base output registered 5,231 tons. April production was 696,879 tons of 18 percent, revised, 24,798 tons of concentrated and 6,440 tons of wet base. Stocks at the close of May were 406,619 tons of normal 18 percent, 42,465 tons of concentrated and 2,207 tons of wet base, compared with a revised total of 429,916 tons of normal, 36,940 tons of concentrated and 1,733 tons of wet base on April 30.

Market Trends

Prices Advanced

Bone meal, steamed, feed grade, $6.50 per ton.
Bone meal, fertilizer grade, $12 per ton.
Dried blood, $4.47 per unit ton.
Fish scrap, $20 per ton.
Hoof meal, $1 per unit ton.
Tankage, feed grade, $4.47 per unit ton.
Tankage, fertilizer grade, $1 per ton.

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
71.8	71.8	71.8	71.8

(For Current Prices see page 9)

Potashes

Some producers of muriate have stated in their contracts that if transportation rates published and in effect on July 12, 1946, are increased, the increased transportation costs to the seller from producing point to destination will be added to the account of the buyer. Also that the seller, during the period covered, reserves the right to make reasonable increases in the initial prices named in the event the costs of production are hereafter increased. In the event the buyer is unwilling to accept shipments at the increased prices, the buyer has the privilege of cancelling the quantity of material remaining unshipped under the contract.

Insecticides

General market situation in rotenone has shown improvement and is reported in better shape than at any time since 1942. While stocks are not excessive, it appears that quantities available during the next twelve months will be greater than any previous period with possible exception of 1941. No new price revisions were announced in arsenate of lead or the copper chemicals. Production of DDT is considerably behind demand and stocks will probably continue tight over the remainder of the year. The coaltar insecticides are short with output making more progress against orders.

To simplify administration of the quarantine and to remove unnecessary restrictions, the Bureau of Entomology and Plant Quarantine has redefined the areas into which the interstate shipment of gooseberry and currant plants—carriers of white-pine blister rust disease—are prohibited or permitted only under control-area permits. The new instructions became effective July 10, 1946 and also designate to which of these states or parts of states the movement of gooseberries and currants is entirely prohibited and to which they may be sent when accompanied by control-area permits. The permits may be obtained from pest-control officers in the states of destination.

Sulphur and Pyrites

Consuming demand for sulphur has maintained a satisfactory seasonal average with the supply position fully capable of meeting all requirements promptly. Spanish advices state that pyrites production increased by about 15 percent during the January-September period of 1945, as compared with the corresponding period of 1944, largely as a result of increased demand. Output for the year was estimated at about 400,000 tons. Sulfur production, associated with the mining of pyrites, suffered a decline, however, due to the shortage of water for crushing and flotation plants. The local pyrites market was unchanged.

For Late Market Developments, See Page 4

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Drugs and Fine Chemicals

Uncertainty regarding the future of price controls afflicted the drug and fine chemical market no more and no less that it did most of the commodities—other than foodstuffs—that activate the national business structure.

The Congressional group that knocked out the foundation of the Office of Price Administration was no less determined permanently to inter that agency, and those who seek a decent and sane extension of the powers of OPA worked hard to get a House-Senate conference bill that the President will sign. Meanwhile, the majority of prices for drugs and fine chemicals failed to reflect whatever rise may have taken place in production cost. The leading manufacturers held the old OPA line unchanged except in glycerin which was advanced 3c. per pound.

In addition to an excellent domestic demand for practically all drugs and fine chemicals, export interest in the items has been rarely larger. The availability of products for export has been kept unsatisfactory by the size of home requirements that most producers fill first. Those who had always engaged in the international trade in such materials reported the daily receipt of inquiries for quantities far in excess of their ability to secure. Just so long as European production remains virtually eliminated, interest in the products of United States manufacturers is bound to continue large. But recent developments abroad show that England, France, and even Russia have their eyes on the rich markets of South America, and the United States may awaken to find its war-won South American business lost to the European continent.

The silver salt situation seemed in a way of being cleared up. With the price of foreign silver bullion having been raised sufficiently, probably to encourage the movement of silver to this country, the greater availability of silver bullion should eventually produce relief from the acute shortage of all salts. Silver nitrate, cyanide, proteinate, and neuclinate have been readjusted upward in some quarters to conform with the higher cost of bullion. Corn syrup of domestic origin continued to advance in price.

Market Trends

Prices Advanced

Corn syrup, $1.75 per 100 lbs.
Glycerin, refined, 3c. per lb.
dynamite, 3c. per lb.
high gravity, 3c. per lb.
Silver bullion, 20c. per oz.
Cyanide, 19c. per oz.
Nitrate, 12¼c. per oz.

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
219.6	218.9	213.9	216.2

(For Current Prices see page 9)

Acetanilide—In excellent demand and not in too liberal supply. Undertones continued very firm and conditions were unfavorable for the development of competition.

Acetone—Moving well in substantial quantities that do little more than appropriate the current consuming requirements of large users. Very firm in price. Some say the tendency is up.

Acid, Acetylsalicylic — Demand pushed supply hard and keeps the market strong and subject to a very swift undercurrent.

Acid, Ascorbic — Demand was reported routine but also reported to be substantial in size. Production cares for needs very well anl deliveries are reasonably prompt.

Acid, Camphoric—Kept in moderate supply by reason of some production difficulties connected with the available supply of raw material.

Acid, Nicotinic—No lower and apparently steady at the recent reduction to $6 to $6.30 per kilo, ranging according to quantity.

Alcohol—No decision has been taken regarding higher prices for this article. Possibly because of the handling of the OPA extention matter by Congress, leading suppliers of industrial continued to main the status quo on prices. The matter of higher prices remains on the agenda of the technically defunct OPA but should the President sign an extension bill, action on alcohol prices by OPA should come with reasonable promptness. Sales are being made under the old OPA permission to sell at prices subject to any revision to be made later by OPA order. If OPA is actually buried permanently and totally, then action by the distillers would also be prompt in order that sales prices may properly reflect the higher production costs that are actual and not potential.

Aloe—Gum arrived from Porto Cabello and from Capetown last week. The total was 468 packages from the former and 80 cases from the latter. The gum was welcome the more because of the comparatively small stocks that had been available for some time.

Aloin—Producers received new supplies of raw material which was needed to a substantial extent. Prices for aloin held very firm and in line with the prevailing cost of aloes.

Ammonia Chloride — Demand was along the line of very light requirements common to the market at this season. Prices held very steady.

Bismuth Metal and Salts—Although supplies of metal have improved moderately, requirements still exceeded stocks by a substantial margin, a fact that found reflection in the exceptionally firm prices prevailing on all bismuth salts.

Borax — Movement accounted for production fully and left little material for stockpiles in the hands of the producers. Prices were still well stabilized and were not subject to shading.

Brucine—Secondhands operating in the "outside" market were able to command a premium over the more or less nominal quotations of the domestic producers who offered very little material. Imported goods also sold at the above mentioned premium.

Camphor — Higher prices would seem inevitable on synthetic camphor if the cost of turpentine be taken as a sign of rising production costs. Demand keeps stocks very low and the situation in tablets is especially bad in that respect. The producers will do well if they can get an output of powdered material sufficient for consumers' requirements. The latter run high.

Castor Oil — New arrivals totaled 30,668 bags, or 4,600,200 pounds. The total importation since January 1 reached 816,618 bags, or 122,492,700 bags. This last total compared with 1,019,541 bags, or 152,931,150 pounds arrived during the corresponding period in 1945. Oil remained in high demand.

Chicago, July 17. — Castor oil prices, are: — Cold pressed, U.S.P., 15c. per pound, returnable drums, carlots; 15¾c., drums, less than carlots; tanks, 14¼c.; No. 3, extracted, 14¾c., drums, carlots; 15c., drums, less than carlots; 14c., tanks.

Cocaine—Well stabilized and available sufficiently to care for all legitimate demand. An arrival of 123 bales from Callao, and 63 bales from Mollendo — both Peruvian cities — was noted last week.

Codliver Oil — Consumer requirements for this year are believed to be covered by stocks now in this country. Buying in Norway has reduced stocks there so substantially that an end to exports to this country may come very soon. The foreign situation is such that an advance in prices abroad would surprise no one here. An arrival of 265 drums of British codliver oil was noted last week.

Corn Syrup — Prices advanced to carlots at $6,947; less carlots, $7,047 per 100 pounds. These prices compare with imported syrup that fetches around $21 per 100 pounds, duty paid. In May, government agency purchases totaled 94,140,000 pounds.

Fisherliver Oil — Since few imports were reported last week, even moderate improvement in supply failed to develop. The market remains in short

For Late Market Developments, See Page 4

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stock and demand was maintained at high volume.

San Francisco, July 17.—Active demand continues for fishliver oils, but the market remained quiet. All potencies are being spoken for.

Glycerin.—Three refiners advanced prices on USP, high gravity and dynamite glycerin 3c. per pound late last week. Following the rise, tankcars of chemically pure were priced at 21c. per pound; high gravity, 20¼c; dynamite, 20½c; yellow distilled, 20⅛c. One refiner is understood to have sold c.p., as high as 54¾c. per pound. The situation in crude glycerin found sellers and buyers far apart in their price views and sales of soaplye were reported to have been made on a basis that accounted for the 54¾c. figure mentioned above. Refiners indicated that their 3c. advance in prices just about reflected the 3c. rise in the price of fats.

In view of the situation relating to possible enactment of an extention of OPA price controls, the future of glycerin prices will warrent close attention.

Menthol — The market remained free from further price advance and it also remained strong in undertone in keeping with the strength that supported values in the primary market. It seems reasonably certain that the world will have to depend on Brazil for its menthol for an indefinite period of time; resumption of exports from either China or Japan remains problematical.

Mercurials—Undertones were firm in keeping with the prevailing price stability in quicksilver. Demand for the major mercurials was excellent.

Methanol — Consumption of synthetic material bulk large and the outlook continued to favor a high volume of consumption for some time to come. Demand for formaldehyde accounts for a large part of the current movement in methanol. The limited production of natural methanol finds prompt buyers for consumption.

Potash Acetate—Prices for USP goods confirmed as unchanged. Demand was reported as routine but still productive of a close to normal volume of transactions.

Potash Carbonate—The USP article was in somewhat larger request and buyers found prices still under complete stabilization and subject to little competitive pressure as between sellers.

Potash Citrate—The stability of raw material prices accounted for the stabilized quotations on this citrate. Demand, though routine, was active and in full support of the market.

Quicksilver—Steady to firm on spot. According to a government release, Chinese merchants are permitted to purchase, ship, and market quicksilver. No permit is required. Under wartime trade control regulations, and under trade regulations effective March 1, 1946, export by individuals and firms was prohibited except by special permission granted by the Chinese government through the customs.

San Francisco, July 17.—Interest was being well maintained in the quicksilver market here this week. However, prices remained steady. Producers were quoting metal between $98 and $100 per flask, f.o.b. this city.

Quinine—Availability has increased but the stocks are still so limited as to require their continued allocation through government agencies. Reports from Batavia, Java, say that possibilities for a revival of quinine production and export from the Netherlands East Indies are considered excellent. A shortage of labor has prevented major resumption of operations in the factory at Bandoeng. The plant itself is in excellent condition. A stock of about 700 metric tons of quinine is said to be on hand. Two other factories, which had been built by the Japanese during the occupation period, are in production. The plant at Soekaboemi is reported to have a capacity of 115 tons per month and that at Garoet, 100 tons. When the Japs captiulated, the two plants were said to have been operating at 90 percent of capacity.

Silver—Prices on silver nitrate have been raised to 60c. per ounce in lots of 2,500 ounces; 1,000 ounce lots, 60¼c.; smaller quantities, 61c. to 69¾c., according to amount. Foreign silver bullion stood at least at 90½c. per ounce and is likely to show fluctuations. Silver neucleinate and proteinate prices are nominal, but may soon be established on a firm basis now that there is some hope for the producers to get enough silver bullion.

Soda Benzoate—Not overly plentiful and being absorbed promptly as goods come from the plants. Fall consumption is expected to show a rise.

Soda Citrate—Interest was fully normal and deliveries seemed ample and prompt enough to keep consumers' needs well covered. Prices appeared to be completely stabilized.

Soda Perborate—Movement was excellent. New orders were numerous and contract undertakings involved a substantial setaside of the currently excellent output of the plants.

Sparteine Sulphate — The market was steady to firm at the recent rise and leading sellers reported little competition.

Streptomycin — Limited commercial distribution of this item under the supervision of the Civilian Production Administration is scheduled for September 1. Because of the extremely small output at present, its use must be restricted to research cases. Civilian appeals for the drug under the research program can be met only on the basis of clinical information submitted by the physicians in charge of individual cases to Dr. Chester S. Keefer, Evans Memorial Hospital, Boston, Mass. June allocations accounted for the distribution of 34,884 grams to the military, other government agencies, and to civilian and research.

Sugar—A contract covering the purchase of Cuban sugar crops in 1946 and 1947 was signed July 16 in Havana by representatives of the governments of Cuba and the United States. By one of its terms, should the United States pass legislation affecting Cuban sugar, Cuba will have the right to rescind the contract.

NWDA Revising Fair Trade Laws Compendium

The National Wholesale Druggists' Association is completely revising and bringing up to date its compendium on the fair trade laws, first published in 1937. The new volume, totalling 150 pages should be off the press in August, when 3,000 copies will be available for distribution.

Divided into five major sections, the volume includes a discussion of the economics of stabilized distribution; an outline of how fair trade laws work in practice; a correlation of the provisions of the various state laws; a summary of Federal and state court decisions, and samples of state fair trade acts and representative contracts.

Medical, Chemical Technicians Needed by Army Air Forces

OPD Washington Bureau

The Army Air Forces have opened a campaign for the reenlistment of men who held technical jobs in the service. As an inducement for over 150,000 three-year enlistees urgently needed, former regulations have been changed to allow AAF-trained specialists return in grades up to Technical Sergeant reflecting their former experience.

Former officers, warrant officers and flight officers who did not take advantage of a previous regulation permitting them to enlist as master sergeants, may now enlist for three years in a grade reflecting their training and experience.

Among the most urgent of some 250 different technical specialties which the AAF is trying to fill are:—Chemical technician, Medical technician, medical administration supply, surgical technician, and sanitary technician.

Trade Briefs

DDT should not be applied to seed alfalfa while it is in bloom, because of the danger of poisoning bees, the Department of Agriculture warns.

Herbert W. Christoffers, chemical engineer, has been named assistant to the vice-president in charge of research of the Schenley Distillers Corporation.

A. S. Aloe Company, medical, hospital and laboratory equipment, St Louis, is building a new and larger plant in that city at a cost of more than $350,000.

Phil Kalech has been appointed director of sales of the Pepsodent division of Lever Brothers Company. Mr. Kalech will have complete charge of all Pepsodent sales and sales personnel.

Reynolds Metal to Get Bauxite from WAA

OPD Washington Bureau

John R. Steelman, director of War Mobilization and Reconversion, has advised the War Assets Administrator that beauxite from government stockpiles will be made available to the Reynolds Metal Company by WAA to whatever extent is necessary to make up a possible deficiency in supplies from commercial sources.

Mr. Steelman emphasized, however, that access to government stocks will be permitted only after the company has made all reasonable efforts to meet requirements from commercial sources, and only to the extent that commercial supplies are not available at a fair price.

Swedish Sulphite Wood Pulp Offered by WAA

OPD Washington Bureau

Nearly 3,000 tons of Swedish sulphite wood pulp, which cost the government $100 per ton, are being offered for sale by the war assets Administration. Fully bleached and of bond or book grade, this material is located at the ASF Depot, Bellwood, Va., and is being offered until July 26 at $94 per air dry ton. The sale is being conducted by the WAA Richmond, Va., Regional Office.

Davis Filtration Names Moore Vice-President

W. F. Moore, formerly vice-president of the American Seitz Filters Company, now the Republic Filter Company, has joined the Davis Filtration Equipment Company, New York, as vice-president in charge of manufacturing and technical director on filter processes.

Steel Shipping Barrels Output Off in May

Production of steel shipping barrels, drums and pails during May, declined slightly, with the industry producing 1,861,445 heavy-type barrels and drums, 812,219 light-type barrels and drums, and 4,264,061 steel packages, kegs and pails, according to a report by the Bureau of the Census. This compared with the April production of 1,999,824 heavy-type barrels and drums, 772,684 light-type barrels and drums, and 4,456,509 packages, kegs and pails.

Chapman Chemical Form Insecticides Division

The Chapman Chemical Company, Chicago, until recently known as A. D. Chapman & Co., has formed an agricultural chemical division headed by Robert C. Harnden, formerly manager of the Dowicide division of the Dow Chemical Company, Midland, Mich. The company's initial agricultural line will consist of 2, 4-D and selective weed killers, new soil fumigants and insecticides.

Hoffmann-La Roche Names Hardt Promotional Director

Robert A. Hardt, formerly director of advertising and sales promotion of E. R. Squibb & Sons, has joined Hoffmann-La Roche pharmaceutical manufacturer, Nutley, N. J., as promotional director.

Rittner Joins Phillips

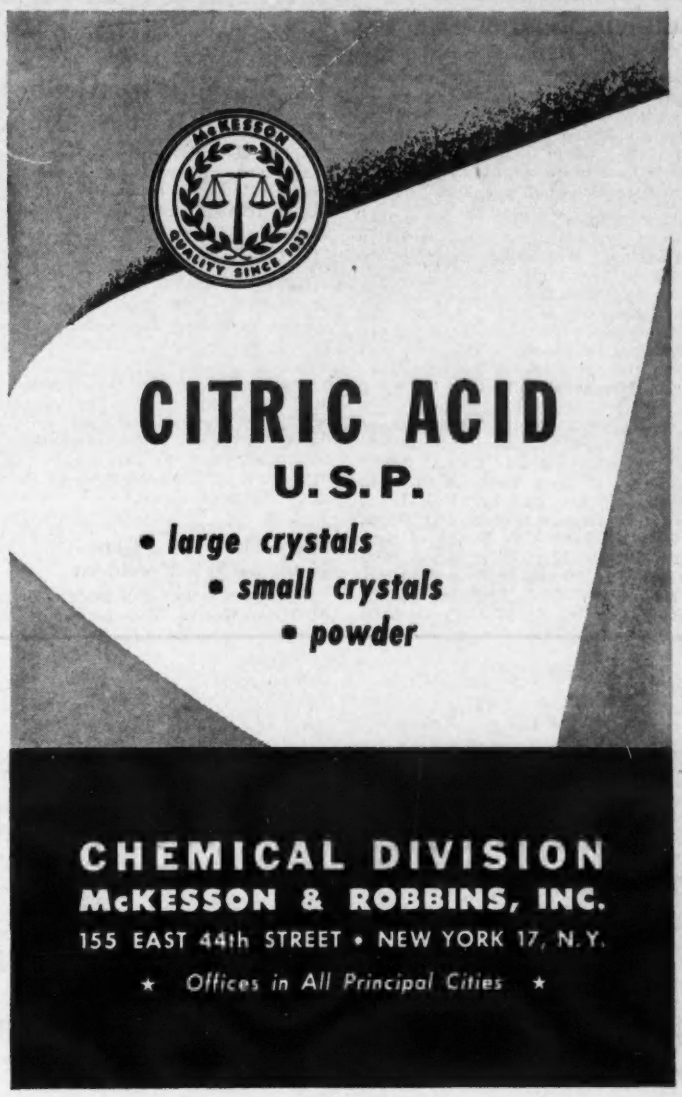
Dr. Edmund S. Rittner has joined the research staff of Phillips Laboratories as associate chemist in the photocell laboratory.

Trade Briefs

New York & New Jersey Lubricant Company this year celebrates its fiftieth anniversary.

Interstate Oil Compact Commission has named Arthur S. Davenport, Tulsa attorney, as assistant to the secretary.

Panhandle Producing & Refining Company will transfer to Claude Neon Lights, Inc., 12,000 shares of its common stock as payment for two oil and gas leases in Texas, increasing Panhandle's common to 917,407 shares.



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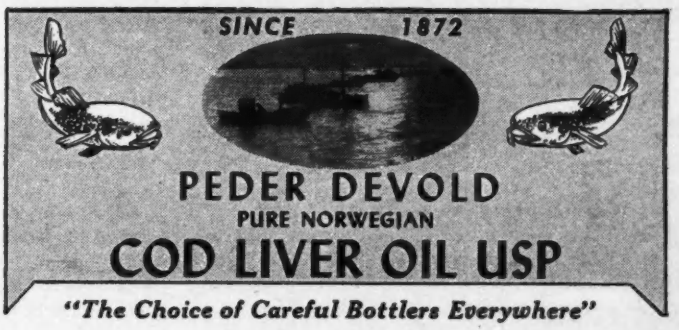
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Excess Profits Tax Council Members Named

OPD Washington Bureau

Membership of the fifteen-man Excess Profits Tax Council, set up by the Treasury Department to administer refund claims of corporations filed under section 722 of the internal revenue code, has been announced by the Bureau of Internal Revenue.

The principal duties of the council will be to provide interpretations of the section. The initial investigation of claims filed under the section continues to be the function of the established field offices of the bureau. Establishment of the council had the endorsement of the Joint Congressional Committee on Internal Revenue Taxation. Members are:—

Charles D. Hemel, of Washington, D. C., chairman; Morton P. Fisher, of Baltimore, Md.; Charles P. Smith, former judge of the Tax Court; Henry J. Merry, of New York; William L. Kumler, of Los Angeles; Eric Louis Kohler, of Chicago; Frederic D. Utley, of Chicago; Peter Guy Evans, of New York; Donald Myrick, of Santa Barbara, Calif.; Harold Arthur Eppston, of Newark, N. J.; R. Clifford Hall, of Washington, D. C.; William Bernard Paul, of Denver; Charles R. Johnston, of Washington, D. C.; Henry J. Donnelly, Jr., of Washington, D. C., and Clifford W. Stowe, of Detroit.

Lanolin and Its Alcohols Discussed in 4 Booklets

When it first came into use ,about sixty-five years ago, the designation, "lanolin," was a trade-name for hydrous refined woolgrease, which is more accurately to be called woolfat because there is no glycerin in its makeup, says E. S. Lower, technical director for Croda, Ltd., producer of woolfat alcohols, Rawcliffe Bridge, Goole, Yorkshire, England, in an informative booklet entitled "Lanolin (Wool Wax)."

This is one of four booklets issued by Croda, Ltd. The others have the titles, "Wool Wax Alcohols in Cosmetics," "Wool Wax Alcohols in Medicine" (both by Mr. Lower), and "The Role of Wool Alcohols in Emulsion Ointment Bases."

Mary Chess Inc., Gets Jones as New President

Saunders P. Jones, president of the American Central Manufacturing Corporation, Connersville, Ind., has acquired an interest in Mary Chess, Inc., cosmetics manufacturer, and has been elected president of the firm. Helen Blake, formerly with Ann Haviland, has been named sales manager of Mary Chess.

Business Service List Available to Individuals

OPD Washington Bureau

The Business Service Check List, originally established by the Department of Commerce for use by trade associations, chambers of commerce, trade publications, and business research and public libraries, is now available to individual businessmen. The Check List, which is published weekly, was initiated on March 18, 1946, as part of a new program designed to speed up the Department's informational service to business groups. An annual subscription price of $1 will be charged for the service. Subscriptions should be addressed to the Department of Commerce, Special Business Service Desk, Room 2830-B, Washington 25, D. C. Checks or money orders covering subscriptions should be made payable to the Treasurer, United States of America.

Chemical Workers Decreased in May

Employment in factories engaged in the maunfacture of chemicals and related products in the United States noted an 0.9 percent decrease from April to May, according to the Bureau of Labor Statistics. At the end of the monthly period, employment was 29.4 percent below the corresponding level of 1945. Payrolls showed an 0.9 percent decrease from April to May, and stood 32.9 percent below the corresponding level of 1945.

The Bureau of Labor Statistics index numbers for factory employment in the chemical group of industries for May was 167.4 (100 equals 1939 average), compared with 170.9 for April and 236.8 for May last year. For payroll totals the index number was 285.7 for May and 425.7 for May last year.

The bureau's general index numbers for all manufacturing industries for May showed the following comparisons:—

	May, 1946	April, 1946	May, 1945
Employment	137.0	136.0	159.8
Payroll	246.2	248.5	318.7

Employment in the chemical group of industries was 8.6 percent above the average of all industries. Payroll totals were 7.7 percent above the general average for industries. Labor statistics for basic non-manufacturing industries related to the chemical industries afforded the following comparisons on the basis of the 1939 average:—

	Employment		
	May, 1946	April, 1946	May, 1945
Quarrying and non-metallic mining	95.7	93.8	78.8
Crude petroleum production	92.7	91.8	82.8
Dyeing and cleaning	129.5	130.3	119.7
	Payroll totals		
	May, 1946	April, 1946	May, 1945
Quarrying and non-metallic mining	189.4	192.0	150.8
Crude petroleum production	144.9	144.0	132.4
Dyeing and cleaning	227.1	231.0	191.3

Detailed Comparisons

Employment

(100=1939 average)

	May, 1946	April, 1946	May, 1945
Chemicals	169.6	169.6	164.1
Cottonseed oil	65.1	78.2	87.5
Drugs, medicines, insecticides	187.6	187.4	182.5
Explosives and safety fuses	175.0	198.5	1349.3
Fertilizers	131.6	155.2	126.2
Paint, varnishes and colors	124.9	126.2	102.4
Petroleum refining	134.4	133.7	126.5
Rayon and allied products	120.9	122.2	109.9
Soap	103.6	103.5	97.4

Payroll Totals

(100=1939 average)

	May, 1946	April, 1946	May, 1945
Chemicals	194.2	197.1	166.6
Cottonseed oil	140.2	168.3	183.6
Drugs, medicines and insecticides	304.5	301.9	262.0
Explosives and safety fuses	282.5	305.2	2066.3
Fertilizers	300.9	362.6	292.6
Paint, varnishes and colors	194.2	197.1	166.6
Petroleum refining	221.5	221.3	222.6
Rayon and allied products	199.7	200.5	183.2
Soap	168.1	168.1	164.7

NWDA Spurs Reservations For Atlantic City Meeting

The National Wholesale Druggists Association urges members who plan to attend the annual meeting in Atlantic City, September 21-26, to make reservations immediately, if they have not already done so. There are still rooms available in four hotels.

Trade Briefs

Medi-Synth Laboratories, Los Angeles, will build a new laboratory building in that city at a cost of $23,000.

W. E. Zander, director and vice-president of foreign operations for Rheem Manufacturing Company, left Los Angeles July 8 by plane to inspect the company's plants at Sydney, Melbourne and Brisbane, Australia.

Marco Company, Wilmington, Del., announces a new pump for use with continuous freezer. It is claimed that this pump will maintain volumetric efficiency longer against wear caused by sugar, chocolate and other solids in ice cream mix.

United States Gauge division of American Machine & Metals Inc. announces a complete new line of direct current moving vane type ammeters and voltmeters. The company claims pointer oscillation is reduced to a minimum by a new, high-torque lightweight USG movement.

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DIVISION OF NATIONAL DAIRY PRODUCTS CORPORATION

U. S.-Soviet Officials Discuss Trade Increase

OPD Washington Bureau

Two officials of the Office of International Trade of the Department of Commerce have arrived in Moscow for a discussion of means of increasing trade between the United States and the Soviet Union. The two officials are E. C. Ropes, USSR specialist in the Office of World Trade Policy, and Lewis L. Lorwin, staff economist of the same office.

One of the aims of the department is an expansion of imports from Russia in order to provide the Soviets with dollar exchange in order to enlarge her purchases from the United States. Among the Russian products noted by the department as of particular interest to the United States are vegetable drugs, paper and pulp.

It is expected that this matter will be discussed by the officials, together with development of a program facilitating a return to the prewar access to Russian sources by American businessmen. For instance, it was explained, American buyers interested in native handicrafts might visit villages to suggest types of goods and packaging that would be attractive to Americans. Or the United States drug industry might well embark on a study of Russia's valuable and rare vegetable drug production.

Russia's Amtorg Corporation has already had a great deal of experience in dealing with American firms. However, Mr. Ropes and Dr. Lorwin expect to discuss with Russian officials the new peacetime operations of Amtorg and methods of further facilitating trade. In line with one of the primary functions of the Office of International Trade, they hope to develop a program to increase and improve commercial information made available to the trade of both countries.

Westinghouse Laboratories Awards Research Scholarships

Westinghouse Research Laboratories scholarships for work in chemistry, physics and mechanics have been awarded to Dennis R. Turner, Miss Julia Senko and Julius Miklowitz, members of the laboratories staff. Each grant is worth $1,000. Mr. Turner will study toward a doctorate in physical chemistry at Michigan University; Miss Senko will do postgraduate studies in special analytical techniques at Minnesota, and Mr. Miklowitz will pursue a doctorate in applied mechanics at Harvard.

Calif. Standard, Texas Form Tankship Firm

Formation of Overseas Tankship Corporation, owned jointly by California Standard Oil Company and The Texas Company, was announced last week by the two companies. It has an authorized capital of $2,000,000 and a paid capital of $100,000.

The corporation's headquarters will be at New York City. It will operate a fleet of tankers throughout the world in transporting petroleum produced and marketed by the joint foreign interests of Standard and Texas.

The officers and directors of Overseas Tankship Corporation are:—chairman of the board, W. H. Pinckard; president, C. E. Olmsted; directors, H. M. Herron, B. W. Letcher, J. H. MacGaregill, J. H. Ruskin, A. E. Van Dusen; director and secretary, A. E. Thayer; treasurer and comptroller, William Kunstadter.

Chesebrough Names Klein Treasurer

The Chesebrough manufacturing Company, New York, has elected Charles E. Klein, treasurer and director, in place of Joseph A. Ebert, who has resigned on account of ill health. Mr. Klein has been with the Company thirty-six years and has been assistant treasurer since 1936.

The appointment of William J. Haggerty as assistant treasurer and Charles W. Ruppersberg as internal auditor also was announced.

District Oxygen Company has been chartered in Maryland, with offices in Mt. Ranier, to engage in the business of producing compressed gases.

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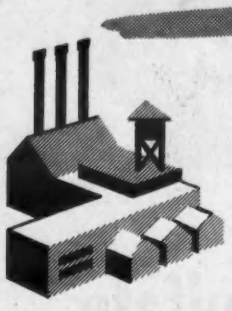

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Production Status As CPA Sees It

OPD Washington Bureau

The monthly reports on civilian production, prepared by the review and analysis staff of the Civilian Production Administration are interesting because of the particular point of view which they reflect. They are informative in more ways than the simply statistical.

The report for June is typical of all aspects. Here is some of its commentary:—

Chemicals

The near-term outlook in the chemical industry generally is anything but encouraging because of the cumulative effects of industrial strife, changes in cost-price relationships, diversions to black markets, and shortages of raw materials. Spot reports indicate that several chemical producers are faced with shutdowns. Chemical plants closing down may not be as spectacular as a cessation of transportation, but the results are just as drastic because of the basic nature of chemicals in the economy. Repercussions are felt over a long period when the pipeline flow of materials has been broken. For example, a scarcity of soap, washing soda, glass, paper, or rayon, may be traced back to a shortage of the basic alkalies—soda ash and caustic soda. Strikes in two large alkali-producing plants have curtailed supply and the coal strike further reduced operations to 40 percent of the capacity of the nonstruck plants which burn solid fuel. Soda ash and caustic soda are, therefore, in short supply so that the direct and immediate effects will be seen in a shortage of glass for containers, for house windows, and for automobiles. Slowdowns in the production of rayon and sodium salts can also be expected.

Containers have become a major problem in the chemical industry. The large quantity of steel drums needed in the famine relief program and the shortage of steel for containers have created a stringency which is threatening the operations of the producers of chlorinated solvents, users of corn steep liquor, paint, antifreeze, etc. ICC rules prohibit shipment of certain chemicals in other than steel drums. Calcium carbide and caustic soda must be shipped in air-tight containers to prevent dangerous decomposition. Propane and butane for fuel and lighting are compressed in steel cylinders. Many of the chemical-consuming plants are unable to take tank-car quantity deliveries of the chemical components needed in their processing, so that a lack of drum containers is effective in shutting them off.

Corn Products

Corn is not only an important food staple, but is utilized extensively in industrial processes, chiefly in the form of cornstarch. In the metallic castings industry, it is employed as a core binder; it is also of high importance to the textile industry where it is used as a sizing. On some materials the looms cannot be operated without starch. Reports have been noted of imminent shutdowns of textile mills due to the lack of starch. The paper industry, like the textile industry, uses over 200,000,000 pounds of cornstarch a year. Corn derivatives have important uses in the pharmaceutical field where they are necessary for tableting intravenous solutions, riboflavin, etc. Dextrose derived from corn is a component in foods for infants and a basis for streptomycin, while corn steep liquor is the raw material ingredient of penicillin.

Approximately 600,000,000 of the annual production of 3,000,000,000 bushels of corn normally goes to industry for the production of starch, corn syrup, cornsugar, dextrose, corn meal mixed feed ethyl alcohol, and butyl alcohol. It is estimated that the 1946 production of corn starch for domestic use will not exceed 1,000,000,000 pounds which is 25 percent less than was available in 1943 and is about 33 percent less than the 1,500,000,000 pounds of corn starch needed by industry this year.

The seriousness of the situation is generally attributed to the price situation and to the heavy use of corn for feeding cattle, hogs, poultry, and dairy herds. The famine grain program still further reduces the quantities of corn available for industrial uses. All of this means that corn in any quantity is off the market as far as wet-milling is concerned.

A directive has been issued to the Department of Agriculture to channel 6,000,000 bushels of corn to the wet-millers. This should help to ease the situation in those industries which require cornstrach, such as adhesives, medicine, cosmetics, paper, textiles, laundries, foundries, and foods.

Insulin

A limitation order has been issued on the delivery and use of domestically produced pancreas of beef, calf, and pork, to the end that these products may be channeled to the producers of insulin. Pancreas glands are the sole practical source of insulin, which is absolutely essential for the successful treatment of most cases of diabetes.

The manufacture of insulin consumes a period of from seven to 10 months and the pancreas gland situation has been deteriorating over the past two years. This has drawn down the stocks of insulin to a point no longer considered safe and it is estimated that 25 percent more pancreas glands must be channeled to the producers of insulin in 1946 than in 1945. The shortage in pancreas glands arises from increased costs, lack of price adjustments, dislocations in the slaughtering industry, and the diversion of pancreas glands to uses, such as textile desizing, leather bating, oral pharmaceutical preparations, and more recently the manufacture of protein hydrolysates.

Trade Briefs

J. H. Gilluley, advertising and sales promotion director, Anchor Hocking Glass Corporation, Lancaster, Ohio, has been elected to the board of directors of the Pacaging Institute.

McKesson & Robbins, Inc., pharmaceutical manufacturer, New York, is distributing among its employees a booklet which acquaints new workers with company operations, personnel policies, general working rules and employee benefits.

Crown Drug Company has submitted to the Securities and Exchange Commission a plan to change the conversion rate on preferred stock from two shares of common to four. Stockholders are to vote on the proposal August 15, if it is approved by the SEC.

Douglas B. Oxenham, managing director of Bristol-Myers Company Pty., Sydney, Australia, has arrived in the United States on his first visit since before the war, to observe the most recent developments in equipment and manufacturing processes in the United States plants of Bristol-Myers.

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German Research

—Continued from page 7

products were their solubilizing effect on vegetable tannins and their ability to decrease sludge formations in tan liquors as well as to increase absorption in tan and non-tans. The report contains a chemical analysis of the by-products and tells briefly how they were prepared.

Orders for the report (PB-18,934; photostat, $1; microfilm, 50 cents; 5 pages) should be addressed to the Office of the Publication Board, Department of Commerce, Washington, 25, D. C., and should be accompanied by check or money order, payable to the Treasurer of the United States.

Rayon Dyeing

An unusual arrangement of pads and jigs for viscose rayon dyeing, continuous dyeing by the newly developed "vat acid" process, and other German methods of finishing rayon fabrics are described in a 60-page report now on sale by the Office of Technical Services, Department of Commerce.

In several German plants visited by Mr. Jackson, jigs were arranged in line with pads, developing boxes, finishing mangles, and other equipment, to permit semi-continuous processing. This arrangement makes many types of open-wet processing possible and presents interesting possibilities for American dyers, according to the investigator. A diagram of the best arrangement, found in a plant at Wangen, is included in the report.

The "vat acid" dyeing process, using an electric developer, the "Elektrofixierer," was studied at the Vereinigte Faerbereien, outside of Vienna. Developed by I. G. Farben, the process involves preparing a solution of pigment vat with caustic soda in the usual way and then acidifying the sodium leuco.

Orders for the report (PB-16673); photostat, $4; microfilm, $1) should be addressed to the Office of Technical Services, Department of Commerce, Washington 25, D. C., and should be accompanied by check or money order, payable to the Treasurer of the United States.

Methane Cracking

Recently-developed German processes for cracking methane by partial combustion with oxygen or air into hydrocarbon products suitable for chemical purposes are described in a report now on sale by the Office of Technical Services Department of Commerce. The report, prepared by the U. S. Naval Technical Mission in Europe, describes only those parts of the processes which are not common in the United States.

Two processes for the production of synthesis gases by partial combustion are outlined in the report: a continuous process employing a nickel catalyst, and an intermittent or regenerative cycle operation employing steam, without a catalyst.

The nickel catalyst method can be used to produce either an ammonia synthesis gas mixture or various carbon monoxide-hydrogen mixtures for the methanol, isobutanol, Fischer-Tropsch, and other syntheses. In making gas for the ammonia synthesis, part of the oxidation or combustion oxygen is obtained by using air instead of pure oxygen necessary to yield nitrogen and hydrogen in a 1:3 ratio in the final gas.

For acetylene production by partial combustion, the Germans use essentially the same method as for synthesis gas production, outlined above. methods are that for acetylene production only relatively pure methane or ethane is used, and gases coming out of the combustion chamber are immediately quenched with a direct water spray. No catalyst is used.

The highest acetylene concentration obtained commercially through partial combustion is about 10 percent. The usual range is 7-9 percent.

Orders for the report (PB-23076; photostat, $1; microfilm, 50 cents) should be addressed to the Office of Technical Services, Department of Commerce, Washington 25, D. C., and should be accompanied by check or money order, payable to the Treasurer of the United States.

Ethylene Polymerization

German pilot plant production of a new wax which had been found useful as a casting material for the cable industry in Germany is described in a report on high-pressure polymerization of ethylene, now on sale by the Office of Technical Services, Department of Commerce. The wax has been employed successfully also as a compounding agent for use with polyisobutylene and for wax polishes and shoe creams.

The report (PB-19486; photostat, $2; microfilm, 50 cents; 23 pages, was prepared by Drs. Hopff and Goebel of the I. G. Farbenindustrie for presentation at the Plastics Committee Meeting at Ludwigshafen in 1943.

Another report (PB-19485; photostat, $4; microfilm, 50 cents; 47 pages), by the same researchers, describes I. G. Farben's experiments with emulsion polymerization of ethylene.

The new wax product, known as "I. G. Wax A" Lupolen N," has a low molecular weight and melts at 105-110 degrees Centigrade. It was made in a pilot plant at Zweckel by polymerizing ethylene at 200 atmospheres pressure.

Polyethylenes of high molecular weight were made in a pilot plant at Ludwigshafen. One of the products, "Lupolen H," made by continuous polymerization of ethylene at 1,000-2,000 atmospheres pressure, has been used successfully for cable insulation in Germany. It has outstanding electrical properties and good elasticity.

Ethylene of 98 percent purity, as produced in several I. G. Farben plants, can be used for polymerization without further purification, according to the Germans. The effective yield, based on ethylene, is 93-96 percent.

I. G. Farben experiments with emulsion polymerization of ethylene indicate that ethylene polymerizes readily in the presence of persulfates and an alkaline water base. Metaphosphates give the same results as alkali. The reaction of ethylene and water directly or with persulfates as catalysts results in the formation of fatty alcohols and thus provides a new source of fats.

Orders for the reports should be addressed to the Office of Technical Services, Department of Commerce, Washington 25, D. C., and should be accompanied by check or money order, payable to the Treasurer of the United States.

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CARAWAY SEED—75 bgs

COD OIL—100 bbls, White & Hodges

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MANIOC FLOUR—10,000 bgs, H F R Dolan

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ASBESTOS—600 bgs, Ehret Magnesia & Mfg Co

CARAWAY SEED—100 bgs

CARNAUBA WAX—110 bgs, T G Cooper & Co

CHALK—1,000 bgs

MANGANESE ORE—4,480,800 lbs, E J Lavino & Co

MANGROVE BARK—900 bgs, Philadelphia National Bank

PEATMOSS—300 bls, Manufacturers Trust Co

WATTLE BARK—3,353 bls, American Dyewood Co; extract, 1,536 bgs, Standard Bank of South America

Rochester

CINNAMON—259 bls, R T French Co

San Francisco

COPAL GUM—264 bgs, American Cyanamid & Chemical Corp

CUMIN SEED—165 bgs, D Hecht & Co

TUNG OIL—273 tons, 400 dms, Pacific Vegetable Oil Co

Trade Briefs

Gulf Publishing Company has named Roger Motheral, formerly with "Petroleum Engineer," as central district manager, with headquarters in Cleveland.

American Petroleum Institute has added to its directorate the presidents of twenty-three trade associations, and approved new local chapters in seven cities.

Natural Gas Pipeline Company of America has elected as president Floyd C. Brown, formerly vice-president and general manager. He succeeds W. Alton Jones, who becomes chairman of the board.

Socony-Vacuum Oil Company, New York, will grant leaves of absence to employees called into summer service by the state guard or militia, and will pay the difference if the service pay is less than company pay.

Write for free 20-page technical booklet.

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Botanical Drugs, Spices, Gums

Price developments in the market for botanical drugs and condimental items were weighted on the down side from the standpoint of total changes made but the more important movements came in medicinal drugs that sought higher price levels in a market fully prone to reflect locally that which happens to prices at primary market points.

The majority of medicinal items held steadily to previously quoted prices. In condimentals, black pepper and nutmegs provided sensational advances to confirm the independence of sellers' ideas on prices now that OPA restraints on prices are no more.

It was nice to note that some shortages in medicinals had been relieved. For example, jaborandi leaves and Chinese rhubarb root were again available. Also, some angostura bark was offered firm for an August arrival. On the other hand, lemon peel and blonde fleaseed joined the ranks of scarce items and prices climbed accordingly.

Though not scarce but merely priced higher in the primary market, T. V. senna brought more money locally and holdings were conservative. Stramonium leaves were in plentiful stock at lower prices. Nux vomica was easier and a shade lower. Hungarian style chamomile remained in fairly tight position and prices climbed upward once more.

Market Trends

Prices Advanced

Drugs

Aloe, socotrine, 4c. per lb.
Angostura bark, 5c. per lb.
Chamomile flowers, Hungarian type, 5c. per lb.
Fleaseed, blonde, 4c. per lb.
Lemon peel, 5c. per lb.
Rhubarb root, 85c. per lb.
Senna, T.V., No. 1, 6c. per lb.
No. 2, 6c. per lb.
No. 3, 4c. per lb.
Powdered, 4c. per lb.

Other Articles

Nutmegs, West Indian, 20c. per lb.

Prices Reduced

Drugs

Cantharides, Chinese, whole, $1.75 per lb.
powdered, $1.10 per lb.
Ginger, Cochin, unbleached, ½c. per lb.
Jamaica, No. 2, ½c. per lb.
No. 3, ½c. per lb.
Nux vomica, ½c. per lb.
Stramonium leaves, 5c. per lb.

Other Articles

Anise, star, 1c. per lb.
Cassia, Chinese, buds, 4c. per lb.
rolls, selected, 2c. per lb.
Saigon, all medium, 8c. per lb.
4-10-4, 10c. per lb.
Cumin seed, Indian, 3c. per lb.
Syrian, 1½c. per lb.
Marjoram, Chilean, ½c. per lb.
Pimento, Jamaica, 1c. per lb.
Sage, Cyprus, good, ½c. per lb.
fair, ½c. per lb.
Thyme, French, 2c. per lb.
Spanish, 1c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
291.0	284.0	289.3	234.4

(For Current Prices see page 9)

Balsams

Fir—Not especially active as to demand but the prices for both varieties of this balsam showed firmness and stability throughout the past week. Stocks were not very large.

Peru—Fair quantities were in hand and equally satisfactory amounts moved into consumer channels at very steady prices.

Barks

Angostura—Although the spot was notably short of this bark, it was possible to report an offering made for August arrival and available at 35c per pound on a firm basis.

Cocillana—Preparation against the coming much larger demand for this bark continued to go forward slowly and in restricted degree. An arrical of 4 cases from Africa, Chile, was noted last week.

Lemon Peel—Something akin to real shortage of this article was reported last week and sellers found little difficulty in obtaining 35c to 40c per pound when goods were actually available.

Orange Peel—An arrival of 641 bags from Haiti and 40 parcels from Catania, Spain, was reported last week.

Soap—A shipment of 628 bales from San Antonio, Chile, was reported arriving here last week and the goods came on a market whose firmness reflected the strength of primary market prices.

Beans

St. Ignatius—This article was still among the missing and no local reports indicate an early restoration of local stocks.

Vanilla—Everything points to a very firm market over any forseeable period of time. No price weakness exists in any of the major primary markets of the world. Consuming requirements are destined steadily to expand, especially as European countries make progress back to an economy drawing nearer to normality in the consumption of merchandise into which vanilla goes as a highly valuable product. Some sellers think prices will go higher before a major trend in the opposite direction sets in.

Berries

Cubeb—Numerous botanicals originating in the Far East reach this market from time to time but as yet no cubeb berries have been reported in arrival. Wonder what has become of the old time cubeb cigarettes common to the regenerate childhood of a previous generation.

Raspberries—Dried berries are still prominent because of their scarcity and no recent advices from the primary market suggest anything like a normal supply being available now that berries are quick frozen when ripe.

Flowers

Chamomile—Prices were higher at 90c to 95c per pound for Hungarian type flowers despite the fact that stocks of genuine Hungarian material gained by the arrival of 11 bales from Leghorn, Italy.

Lavender—Italy has resumed shipments of this item and an arrival that totaled 7 bales reached here last week from Leghorn.

Pyrethrum—From Mombassa came 1,850 bales of this article which will be greatly needed to aid in providing needed supplies of concentrates for use in this country.

Rose—Stocks of pale flowers have been restored by recent by recent releases on arriving merchandise. A price of 33c. to 34c. per pound was established during the past week.

Gums

Aloe—From Capetown there arrived last week a matter of 80 cases of this gum, thus restoring the item to a position of firm offerings and upon which a price of 42c. to 43c. per pound was set. Also, Socotrine aloe was available at the slightly higher price of 47c. to 49c. but some spot goods were actually in hand.

Karaya—Substantial success crowns the program to assure steady arrival of this gum from Bombay, India. Last week, 3,061 bags arrived from that port. Demand was reported as excellent.

Mastic—Another arrival was reported, being 30 cases this time and

Imports Detained by FDA

Week Ended July 12

New York

Angelica root, 50 bags: insect infested.
Cassia, 1,776 bales: insect infested.
Colocynth, 2 casks: excess seeds.
Cottonseed meal with castor pomace, 1,815 bags: contains dangerous substance.
Gentian root, 127 bales: filthy.
Henbane Leaves, 58 bales: filthy—not official product.
Henbane leaves, 63 bales: not official product.
Horehound, 242 bales: filthy.
Mace, 74 cases: insect infested.
Manioca meal, 5,500 bags: filthy.
Nutmegs, 182 bags: wormy and moldy.
Sage leaves, 177 bags: filthy.
Sesame seeds, 121 bags: filthy.
Turmeric, 157 bags: insect infested.

Baltimore

Olive oil, 14 drums: high in acidity.

For Late Market Developments, See Page 4

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BUCHU LEAVES
CARAWAY SEED
CELERY SEED
CHAMOMILE FLOWERS
CHAULMOOGRA OIL
CLOVES, Zanzibar
COCILLANA BARK
COLOCYNTH PULP
COLOMBO ROOT
CORIANDER OIL AND SEED
DANDELION ROOT
DILL SEED, Indian
ERGOT OF RYE
FENNEL SEED, Indian
FOENUGREEK SEED
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GUM KARAYA, Whole and Powder
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HERBA HERNIARIÆ
HERBE MENTHE
HOREHOUND HERB
IRISH MOSS
JUNIPER BERRIES
KAMALA POWDER
LAUREL LEAVES
LAVENDER FLOWERS
LINDEN FLOWERS, with Leaves
MAHUANG, Chinese
MARJORAM LEAVES
OAK MOSS
ORANGE OIL, Sweet
ORRIS ROOT
PEPPERMINT OIL
PIMENTO, Jamaica
POPPY SEED, Indian
PSYLLIUM SEED AND HUSKS
QUINCE SEED
RHUBARB ROOT
ROSEMARY LEAVES
ROSEMARY OIL
SAGE LEAVES
SARSAPARILLA ROOT
SAVORY
SENNA LEAVES AND PODS
STRAMONIUM LEAVES
STROPHANTHUS SEED
THYME LEAVES AND OIL
UVA URSA LEAVES
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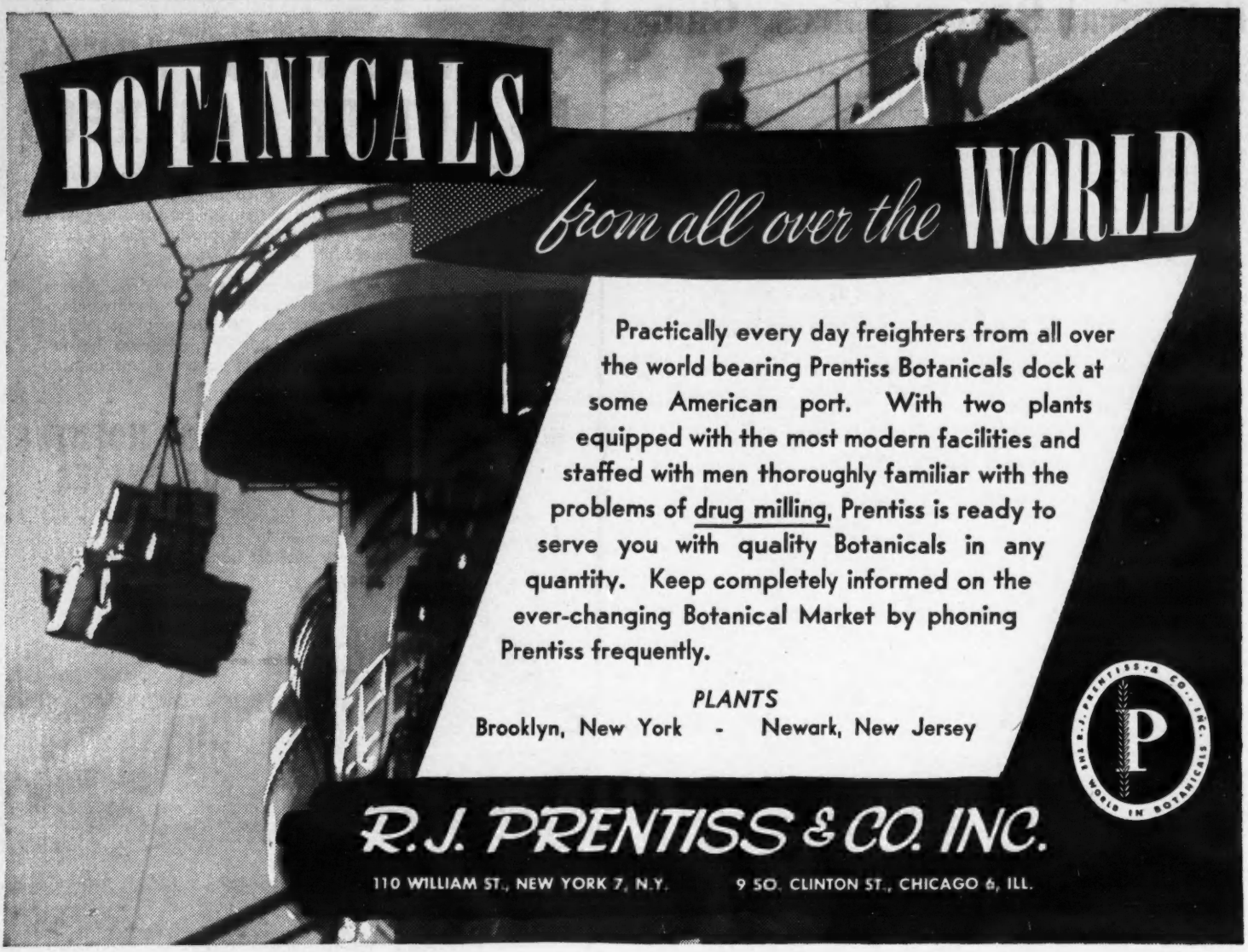
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coming from the Greek port of Piraeus. The gum originated on the Greek island of Chios.

Olibanum — The firmness that has characterized prices for a long time past continued both here and in the primary market in India. An arrival of 20 bags from Bombay was noted last week.

Herbs and Leaves

Euphorbia — Stocks were increased when a matter of k30 bales of this article reached here last week from Colombo.

Henbane — Arrivals from foreign parts continue, the latest being 50 bags from Karachi, India. With goods coming from Russia and with some domestic goods being collected, the market would seem to be working toward a fair stock for consumer requirements.

Jaborandi—The market was substantially lower at 30c. to 31c. per pound with the spot supply having increased moderately but sufficiently to put the article outside of broad scarcity.

Senna—Much higher prices ruled in India and spot values have been forced upward by the rise in replacement costs. No. ?; T. V., senna was priced at 24c. to 25c. per pound last week; No. 2, 22c. to 23c.; No. 3, 19c. to 20c.; powder, 24c. to 25c. During the week, 96 bales arrived here from Colombo.

Miscellaneous

Cantharides—Despite the continued arrival of moderate quantities from China, prices continue far above normal levels though they were lower than they had been on spot in recent weeks. An arrival of 24 cases from Hong Kong was reported last week. Whole flies were priced at $8 per pound and powder was held for $9.25.

Corn Silk — Detentions of arrivals have prevented the creation of anything resembling a fair sized stock of this European item. The market continued very firm.

Irish Moss — Imports have slowed down considerably but in the recent past they had been substantial enough from European point to create a very fair spot stock of the item. The market held very steady on spot.

Nux Vomica—The market turned easier once more and offerings of buttons were made at 9½c. to 10c. per pound by local botanical drug dealers. Powder held unchanged.

Papain—Further arrivals totaled 60 cases from Mombassa. The supply situation is being relieved steadily and the market has assumed a somewhat less firm position.

Roots

Barbasco—This item continued to pour in from Brazil; the latest arrival totaled 2,360 bales of highly welcome material.

Cube — From Callao, Peru, came 5,356 bags of this root and the whole will be applied to contracts covering rotenone and its products.

Gentian—The market was reported to be slightly on the soft side because of competition that has expanded substantially and parallel with the arrival of substantial quantities from European points.

Goldenseal — This item was very scarce but not a great deal of interest was displayed by buyers during the past week. Early increase in stocks is virtually impossible. Resumption of normal European demand would quickly exhaust supplies.

Rhubarb—Root arriving from China has relieved the market of the shortage that developed when shipments from India stopped. The latest arrival from Shanghai totaled 84 cases. Firm spot prices were noted at $1.85 to $1.90 per pound for whole and $1.95 to $2 for powdered material. Inflation in China makes a very high export price to prevail in that market.

Valerian—More root came from India, being a matter of 254 bags from Bombay. The market for Indian root was moderately easy under the influence of a rising tide of competition.

Seeds

Anise — Chinese star anise was shaded to 26½c. to 27c. per pound under plentiful supplies. Mexican seed was available only in shipment position, the price for which was 48c. to 49c. Syrian seed was again offered, this time at 52c. to 53c.

Caraway—A large quantity—1,280 bags—reached here from Rotterdam,

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—Edinburgh Pharmacopoeia, 1770

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TRADE From Forty Nations MARK

Holland, last week. The seed from seven other countries failed to change in price.

Cardamom—Firm to strong in all markets and tending upward in most instances at the source of supply.

Coriander—Some Italian coriander was offered in future position at 6¼c. to 6¾c. per pound.

Cumin—Indian seed in future arrival position was down to 31½c. to 32c. per pound and Syrian futures were off to 31½c. to 32c.

Flea—Blonde seed from India was sharply higher at 23c. to 25c. per pound. Some prominent quarters lack supplies. Replacement cost stands at higher levels.

Spices

Allspice — Mexican material held free from further change.

Cassia — No batavia spice has reached here although some is said to have been transshipped at Ceylon for movement to the United States. Chinese cassia buds were lower at 52c. to 53c. per pound. Saigon all medium was down to 43c. to 44c., and the 4-10-4 waste be had for 42c. to 43c.

Ginger—Jamaica root continued to decline. No. 2 was down to 16½c. to 17c. per pound; No. 3, 14¾c. to 15¼c. Unbleached Cochin was reduced to 15¼c. to 15¾c.

Nutmegs—The sky seemed the limit on prices now free from OPA. The West Indian item has already sold for 70c. to 71c. per pound.

Pepper—Black pepper sellers wrote another chapter to the post OPA price developments. Sales were made all the way between 42c. to 50c. per pound and the asking price late in the period was minimum at 46c.

Pimento — Quotations eased down to the basis of 24c. to 24½c. per pound.

Markets at Other Centers

Los Angeles, Junly 17.—Trading in botanical drugs and spices was fairly active here this week, but supplies were short. Prices remained unchanged in this area. Ruling prices are:—

Marjoram — French type, 35c. per pound in dried form.

Sage—Dalmatian type, 40c. per pound for lots said to contain less than 12 percent stems. Sage guaranteed to contain less than 5 percent stems was quoted at 65c. per pound. Leucophylla was named at 32c. per pound.

Savory—French type, 75c. per pound.

Sweet Basil—90c. per pound for lots containing less than 12 percent stems.

Thyme—French type, 90c. per pound in dried and clean form.

Amer. Ferment Names Hawkins President

John M. Hawkins has been named president of the American Ferment Company, a subsidiary of the Sterling Drug Inc., New York. He was formerly vice-president of the subsidiary. Mr. Hawkins began his business career in 1921 in the sales and advertising department of the Odorono Company, remaining with that firm until 1928. He was a partner in the Hydrosol Company, Cincinnati, until 1942, when he joined the Sterling organization.

Trade Briefs

Albert Shayo, exporter, New York, has moved offices to Fifty-five West 42nd street.

Copper Range Company, New York, has elected Frank A. Ayer, consulting engineer for the firm, as vice-president.

United States Steel Corporation, New York, plans extensive expansion of facilities at the plants of the National Tube Company at Lorain, Ohio, and Gary, Ind.

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Essential Oils, Other Aromatics

The arrival of large quantities of lemon and bergamot oils from Italy was a noteworthy development in the essential oil and aromatic chemical market last week. In fact, the increasing amounts of foreign oil reaching this market was a satisfactory development from the standpoint of consumers long on meager rations. During the period, imports of natural camphor oil, caraway, cassia, cinamon bark oil, citronella from Ceylon, lavender, lemongrass, lime, mandarin, orange, petitgrain, vetiver, and ylang ylang aided some in relieving shortages.

The restoration of stocks of Far Eastern oils in this market poses a substantial problem. For example, in Java, the government has a complete monopoly over all exports. Operation of private companies in the export field is prohibited, though one way that some have gotten around it in some measure has been to transship oil at Ceylon, it having been sold to private individuals there. Most all shipments of Javanese oils go to Amsterdam and importers here have to deal with the Dutch in the homeland.

Furthermore, the plantations of the Dutch ran down badly during the Japanese occupation. This was especially true along the coastal plain and the situation in the interior was but slightly better than that on the coast.

A little Java citronella and cananga has gone to Holland but so far as can be learned, no vetiver, palmarosa, or patchouli has been shipped.

Market Trends

Prices Advanced

None

Prices Reduced

Anise, Chinese, 5c. per lb.
Bergamot, 25c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
200.1	200.8	206.0	229.9

(For Current Prices see page 9)

Essential Oils

Almond—Not especially active last week but still holding subject to steady prices and a minimum of competition.

Angelica—The wide spread in spot prices on root oil was based only on sellers' price views. So far as interest in the item was concerned, it was very small at any cost to the buyer.

Amyris—West Indian "sandalwood" oil arrived to the extent of 1 drum from Kingston, Jamaica, last week.

Anise—A matter of 78 drums arrived on spot last week from Hong Kong, thus adding to the already excellent spot supply and tending to put this oil into still greater competition in this market.

Apricol Kernel — The market was quiet to firm under demand that cover immediate requirements of consumers in most instances and with not too much difficulty since a fair sized stocks was in hand.

Bergamot—Stocks continued to increase. During the past week 1,076 packages of this oil reached here from Catania and prices had a much heavier tone by the close of the period. Quotations stood at $5.50 to $7 per pound according to seller. Competition was very keen since oil recently arrived was obtained at a much reduced cost in the primary market.

Bois de Rose—Very steady on spot. Stocks now unsold were said to be comparatively small since most of the oil arriving here of late went almost entirely into consuming channels, leaving very little for warehousing by dealers against new orders.

Cajeput — It proves almost impossible to get anything started from the primary market. Private importation is impossible because trade at the source is in the hands of a single government agency.

Camphor—At last, imports of natural camphor oil has been resumed. During the past week, 6 drums reached here from Hong Kong. Whether this is oil made in China or in former Japanese Formosa is not known.

Cananga—A single agency is empowered to sell this article in its primary market. Hence the good results that always follow restoration of private negotiations between exporter and importer cannot be obtained. The market here is virtually nominal.

Caraway — An importation of 2 drums last week failed to affect the price position of this article. On the contrary, it remained quiet steady under light request throughout the past week.

Cassia—Stocks gradually accumulate and an arrival of 20 drums from Hong Kong showed that the export business in this item is getting back to normal hands on a normal basis. The spot market remained unchanged in price but the item was distinctly competitive and conditions favored buyers with a firm order in hand.

Cedarleaf—No further reduction in quotations was noted last week, the market tending toward steadier position once the decline reported in the previous week has been absorbed.

Cinnamon — From Colombo last week there arrived 2 cases of bark oil which was in very low spot price and which showed a very high cost in its primary market in the Far East.

Citronella — The lot of 54 drums that arrived here last week from Colombo will find ready and waiting buyers at full market prices. Competition has little chance to develop because of primary market costs and the unsettled subject of what is the proper classification of this item for tariff purposes.

Eucalyptus — Relatively scarce on spot but still available in somewhat more satisfactory amounts than was the case a short time back. No further importations were noted last week.

Geranium—The sole change in spot prices was the widening of the range on Algerian oil. Sellers quoted $18 to $28 per pound according to individual dealer and none hand very much in hand for prompt delivery. Bourbon oil remained steady.

Lime—Seasonal request was excellent and contributed much to the firmness of spot quotations. Spot prices were free from much competition. Importation of 14 drums from the West Indies was noted.

Mandarin—No Italian oil was available but some originating in Brazil was still available and an arrival of 8 cases from that country assisted in the maintenance of local reserves.

Nutmeg—Raw material prices went skyrocketing last week and the end did not seem to be in sight. Prices for good quality oil were fully $5 to $5.25 per pound when a prompt delivery was wanted and at the best there was not much to be had.

Orange—Seasonal demand was excellent and stocks were definitely conservative notwithstanding an arrival of 25 cases from Brazil and another of 57 cases from Kingston, Jamaica.

Lavender—Stocks were rather well distributed locally and were of better than fair size. They were increased by the arrival of 2 drums during the past week. Demand was routine.

Lemon — Some progress toward restoration of a normal stock reserve on spot is being made. By reason of the arrival of 795 packages of oil from Italy last week, the progress back toward normality was speeded considerably. Much of this oil had been sold into a consumption prior to arrival. Prices still remained very firm.

Lemongrass—Prices remained firm. Stocks gained when 2 drums reached here from Kingston, Jamaica, during the past week. Consumption was said to be taking oil promptly as it became available.

Peppermint—Nature will have to provide a larger yield in the 1946 peppermint oil crop if the total production is to equal that of 1945. The acreage to be cut is about 3 percent smaller than it was a year ago. The government forecast shows that acreage was less in Indiana and Washington, larger in Oregon and un-

For Late Market Developments, See Page 4

changed in the other three producing states.

Aromatic Chemicals

Acetophenone—Sales in 5 pound bottles were made as high at $1.92 per pound during the past week. The market was firm.

Amyl Propionate—A fair interest was disclosed in offerings made at 95c per pound by retailers of this item.

Anethol—Undertones held reasonably steady but the tendency seemed toward an easing of the situation now that raw material is increasingly available.

Benzaldehyde—Some improvement in the availability of the N. F. variety of this item has been noted but the need for technical material still ran compartively large.

Benzyl Compounds—The price situation lacked new development but more competition exists in the market at this time and the situation steadily improves the availability of some of the materials within the group.

Estrogenic Cream Sale Ban in Louisiana Lifted

The Louisiana State Board of Health has just rescinded its action banning the sale of estrogenic creams in that state and the sale of such creams, properly labeled, is again permitted with the board's full approval, according to word received by S. L. Mayham, executive vice-president of the Toilet Goods Association, Inc.

On January 11, 1946, the board halted the sales of estrogenic creams. On April 2nd reputable physicians and chemists, representing estrogenic cream manufacturers, were given a hearing before the board's members in New Orleans. On the facts presented by these physicians and chemists at that time, the board has revised its previous ruling and it is the announcement of this revision that has just been made, effective July 12, 1946.

Carbide & Carbon Expands Output of Three Amines

The Carbide & Carbon Chemicals Corporation, a unit of Union Carbide & Carbon Corporation, New York, has expanded facilities for the production of three isopropanolamines; monoisopropanolamine, diisopropanolamine and triisopropananolamine.

Koppers Offers Holders Share-for-Share Exchange

Koppers Company, Pittsburgh, is offering to holders of its outstanding 3¾ percent cumulative preferred stock, rights to exchange their shares for a new 4 percent cumulative preferred issue. The exchange offer, which expires July 24, is on a share-for-share basis.

Copper Production Off

OPD Washington Bureau

The smelter production of copper totaled 782,726 tons in 1945 compared with 1,003,379 tons in 1944 and 1,092,939 tons in 1943, according to the Bureau of Mines. Mine production in 1945 totaled 772,894 tons, 972,549 tons in 1944 and 1,090,818 tons in 1943.

Trade Briefs

Kent Soap Products Company has purchased a plot in Long Island City, N. Y., where it will erect a factory for its own use.

Scorello & Son Company, importer of olive and other vegetable oils, has moved offices to the Produce Exchange building, New York.

A. J. Kelly has become associated with Le Galion Sales Company, United States distributor for Parfums Le Galion, Paris, France.

Paramount Cosmetics Inc., New York, is planning an extensive publicity and promotion campaign for its complete line of treatment items, make-up and perfumes.

United States Potash Company, New York, has called for redemption on August 15 all outstanding 18,250 shares of $4 divident preferred stock, out of cash reserves.

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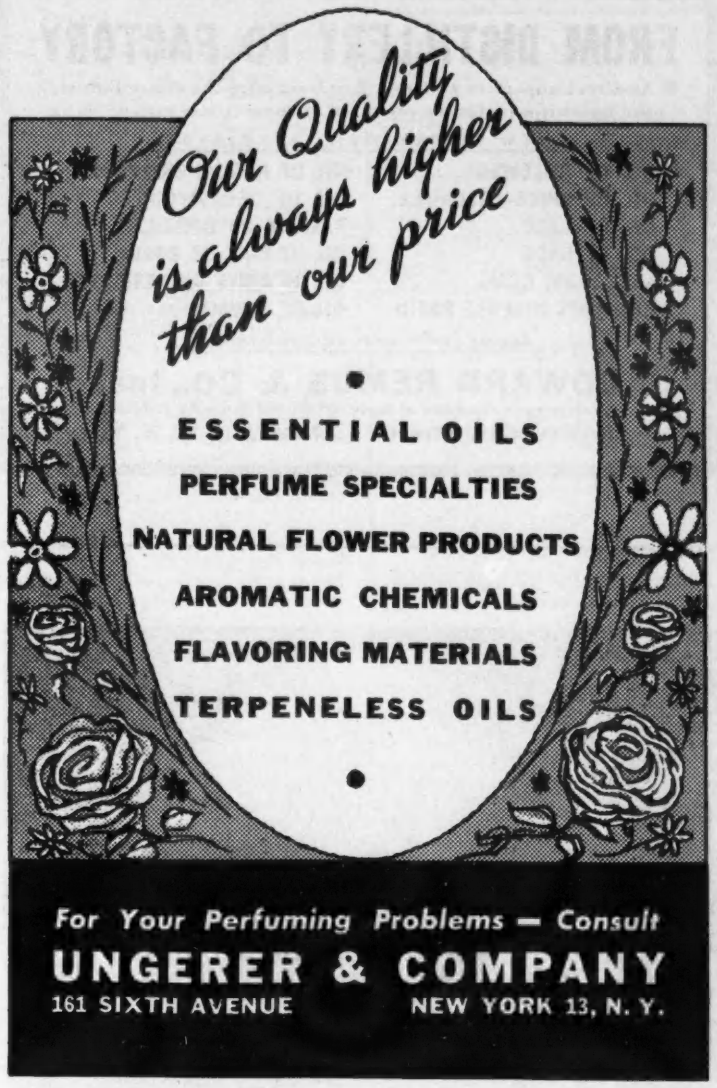

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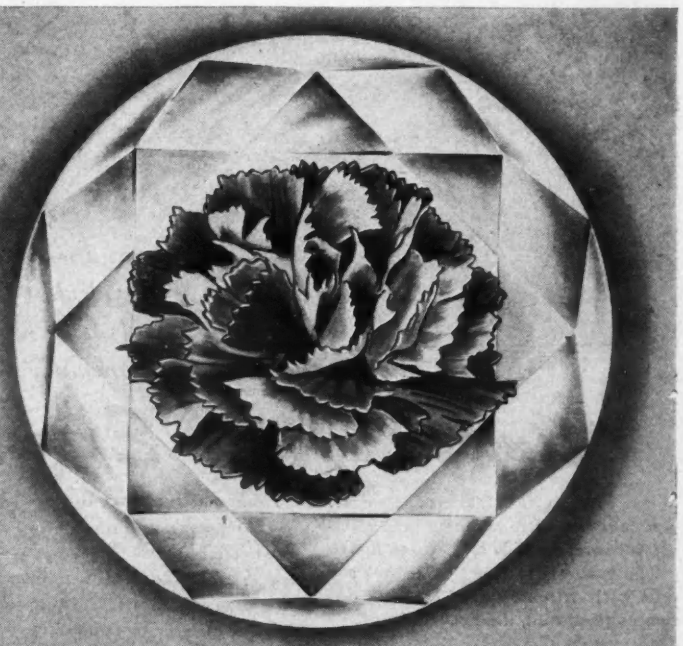
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21-c

Indiana Standard Plans 662-Mile Long Pipeline

Standard Oil Company of Indiana will build a pipeline to carry finished petroleum products to Minneapolis and Moorhead, Minn., across the Red River from Fargo, N. D. Authority to construct buildings essential to the line has been granted by the Chicago office of the Civilian Production Administration.

The line will be 662 miles long, and for the greater part of its distance will be ten inches in diameter. It will carry petroleum products from the company's refinery at Whiting, Ind.

OIT Removes Pectin From 'Positive List'

OPD Washington Bureau

The Office of International Trade announces that pectin has been removed from the "positive" list requiring individual licenses for exportation and may now be shipped out of the country to destinations in Group K countries under a general license. The action was effective immediately.

Calif. Standard Plans $2,250,000 Refinery Unit

The Standard Oil Company of California will build a $2,250,000 crude oil distillation unit at its El Segundo, Calif., refinery. The company has received Federal approval of the project, which will be started in September.

The company also reports that its new 18-inch, 176-mile pipeline has started delivering crude oil from the San Joaquin Valley to the company's Los Medanos tank farm near San Francisco Bay. The line, largest and longest in the state, was built at a cost of $4,000,000 and has a capacity of 110,000 barrels of oil daily.

Sun Oil Visualizes Huge Oil Output at New Field

Sun Oil Company's discovery of the Delhi field in Richland Parish, La., has proved to be the biggest oil find of its type since discovery of the East Texas field in 1930, according to John G. Pew, assistant to the president of Sun Oil. Recent surveys of the Delhi field, located in December, 1944, indicate it will produce at least 175,000,000 barrels of oil, Mr. Pew said.

Interstate Oil Group To Meet August 8-10

The quarterly meeting of the Interstate Oil Compact Commission will be held at Grand Rapids, Mich., August 8-10. Secretary of the Interior Julius A. Krug will be principal speaker at the final session.

Royal Dutch Petroleum Indies Repairs to Cost $190,000,000

Reconstruction of the Royal Dutch Petroleum Company's Netherlands Indies properties will cost 500,000,000 guilders, about $190,000,000, stockholders were told last week in Amsterdam at the company's first post-war meeting.

Navy Lubricant Contract

The Texas Company has been awarded a $5,000,000 lubricating oil contract by the Navy, one of the largest peacetime contracts ever awarded by the Navy. The contract will involve an estimated total of over 10,000,000 gallons of oil, according to the company.

Federal Oil Priority Bill Passed in Senate

OPD Washington Bureau

A bill (S.680) amending the mineral lands leasing act to give small refineries not having their own source of supply for crude oil a preferred right to buy royalty oil of the government when it is for sale has been passed by the senate and sent to the President for his signature. The house previously had approved the bill with certain amendments which the senate accepted.

One of the amendments provides that in selling the royalty oil the Secretary of the Interior may, at his discretion, prorate the oil among the refineries in the area in which the oil is produced.

Zeitfuchs Retires From Calif. Standard

Edward H. Zeitfuchs, senior physical specialist for the California Research Corporation, subsidiary of the Standard Oil Company of California, San Francisco, is retiring from the research unit after twenty-five years service.

Mr. Zeitfuchs, who joined standard as a physicist in 1921, specialized in devices for measuring the properties of petroleum, best-known of which is the Zeitfuchs Viscosimeter, which registers flow characteristics.

Creole Petroleum Plans $65,000,000 Venezuelan Plant

The Creole Petroleum Corporation, a subisidiary of the Standard Oil Company of New Jersey, has announced construction of a $65,000,000 refinery and model city of 12,000 houses at Bahia Amuay, on the island of Paraguana, eastern Venezuela. The plant will have a daily capacity of 60,000 barrels and will manufacture all refined products.

Trade Briefs

B. F. Goodrich Company, Akron, Ohio, has been authorized by the Peruvian government to establish a tire and inner-tube factory in Lima.

American Crayon Company, Sandusky, Ohio, is merchandising a packaged set of textile color paints for home or institution use in hand decorating of fabrics.

Industrial Silica Corporation's directors have approved a ten-for-one split-up of the company's 15,000 shares of $100 par 6½ percent preferred stock, which the stockholders approved at a previous meeting.

Paisley Products Inc., Chicago, manufacturer of industrial adhesives, has appointed J. F. Sequin as representative in Texas and Oklahoma. Mr. Sequin's headquarters will be at 1410 Main Street, Dallas 1, Texas.

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Petroleum Derivatives

Aside from exceptionally spirited buying movements in gasoline and the petroleum chemicals urgently required for the production of ship and vehicle coatings as well as for making synthetic resins and plastics, there have been few developments in the market for petroleum derivatives of special moment within the past week.

An expected general markup of prices for crude oil with concomitant advances in prices of gasoline, fuel oil, kerosene, paraffin and all the other petroleum waxes and oils have not yet materialized, although ample opportunity to lift the posted prices of crude oil in all the oilfields and the quotations for all the derivations directly affected by such an increased production cost has been afforded since the suspension of all price controls, June 30, with the passing of the Office of Price Administration.

It is now the openly-declared intention of the thoroughly integrated petroleum companies as well as of the independent producers to proceed slowly in the direction of raising prices of crude oil beyond the levels attained in the OPA-authorized overall advance of 10 cents per barrel, effective April 1, last, albeit these companies have long since deemed an additional markup of 25 cents per barrel well warranted by the enormous increase in production costs since the prewar years.

Greatest activity and strength in the petroleum chemicals group continues to be manifested in all the butyl solvents, isobutylene, isopropyl alcohol, methylethyl ketone and methylisobutyl ketone.

Petroleum Chemicals

Butyl Alcohol—Continues in keen request, with the rank and file of consumers being heavily augmented by former users of the grain and molasses fermentations, who are unable to obtain sufficient quantities of the latter and are finding in the petroleum derivative a generally satisfactory replacement.

Isopropyl Alcohol—A spirited call for this material continues to be noted for both export and domestic consumption. Although two new plants are being constructed to produce this petroleum derivative, it is feared that the supplies will become greatly depleted before these additional producers get into operation.

Methylethyl Ketone—Under the heavy takings of manufacturers of automotive vehicle finishes and the extensive requirements of the U. S. Navy for carrying out its ship coatings program, stocks of this petroleum chemical are being rapidly reduced to levels which threaten an acute shortage.

Methylisobutyl Ketone—Extensive buying by the makers of synthetic resins and Navy procurement agencies are resulting in a further tightening of its supply situation.

Xylol—Still in keen demand and adequate supply.

Solvents and Diluents

Aromatic Solvents—Continue in sizeable request. Processors are still being well supplied with petroleum xylol and overplentifully with petroleum toluol.

Cleaners' Naphtha—Moving in sizeable seasonal volume into consuming channels.

Lacquer Diluent—Still being bought in moderate quantities by the lacquer makers.

Mineral Spirits—Buying interest continues fairly keen.

Stoddard Solvent—Seasonal purchasing is swelling aggregate takings to a considerable volume.

V. M. & P. Naphtha—Continues moving in moderate quantities.

Markets at Other Centers

Chicago, July 19.—Interest on the part of buyers of petroleum solvents and diluents continues rather active in this area. Purchasers have been taking increased amounts in some instances. Prices are around the old OPA ceilings.

Los Angeles, July 19.—Demand for petroleum solvents and diluents remains good on the Pacific coast. Cleaners' naphtha and lacquer diluent are moving steadily.

Market Trends

Prices Advanced

Gasoline, Western Pennsylvania, 74-76 octane, ¼c. per gal.

Prices Reduced

None

(For Current Prices see page 9)

Lighter Fractions

Butane—Buying of this liquefied petroleum gas by the manufacturers of synthetic rubber continues extensive, inasmuch as their operations are still reaching large proportions, unaffected to date by reports that their output will soon be cut down by the advent into the U.S.A. of natural rubber in considerable quantities. And, as purchasing by industrial processors using it to generate intense heat is also holding up well, the aggregate takings of this gas are still running to considerable size, despite a constant contraction in the buying by manufacturers of high-octane aviation gasoline.

Heptane—Still moving but in only small lots.

Hexane—Being taken in fair-sized quantities.

Octanes—In moderate inquiry and light supply.

Pentanes—A fair movement continues to be noted in these gases.

Propane—Being bought by virtually the same types of consumers as are recorded as the principal purchasers in butane.

Markets at Other Centers

Chicago, July 19.—The liquefied petroleum gases are in good call in this area but are showing no special price movements. Sellers are not disposed to make concessions.

Los Angeles, July 19.—Buying interest in the liquefied petroleum gases is being well maintained on the Pacific coast. Supplies continue good.

Petrolatums and Waxes

Microcrystalline Waxes—with demand running slightly ahead of supply, stocks of this petroleum wax are being held down to low levels.

Paraffin—Although producers of this petroleum wax have opportunity to mark up their prices, in the absence of Government price controls, they have made no move in that direction to date. On the contrary, they are continuing to sell both crude scale and the refined grades at the old OPA ceilings and even at figures slightly under these levels in some instances. The heavy export demand coupled with the extensive domestic call are keeping stock at a low ebb, with little hope for an improvement in the tight supply situation until after the end of this year.

Petrolatums—As there has been no abatement in the call for these petroleum jellies, producers and their agents are still far behind in making deliveries. Prices continue to be well maintained on U.S.P., veterinarian and technical grades.

White Mineral Oils—With prices firmly held by producers and all other suppliers, these oils continue to move in considerable volume.

Fuels and Lubricants

Crude Petroleum—Current reports of the petroleum industry continue to indicate only slight gains in crude oil production in the fields and in crude oil runs to refineries.

An economist for one large thoroughly integrated petroleum company has predicted substantial amplification in consumption of domestic petroleum oils and gasoline, with foreign demand reaching a peak in 1948. According to this authority, the most rapidly expanding business in the petroleum market will be found hereafter in diesel fuels, asphalt and specialty products.

Gasoline—The pressing requirements of early harvesting of some crops in domestic farm areas and of motorists making extensive Summer tours are pulling so heavily on stocks of this liquid fuel as to stiffen the markets and inspire markups in prices asked for it in virtually all sections of the country. In particular, regular grade, 74-76 octane gasoline has been advanced by a quarter cent in the Bradford-Warren district of Western Pennsylvania to a minimum of 7¾c. per gallon.

For Late Market Developments, See Page 4

Trade Briefs

York Corporation, manufacturer of refrigeration and air conditioning equipment, has built two models of frozen food cabinets designed particularly for hotels, restaurants and smaller-type commercial establishments.

Ingersoll-Rand Company, machinery equipment manufacturer, Phillipsburg, N. J., is issuing a catalogue entitled "Two - Stage Centrifugal Pumps." Copies may be obtained at any of the company's branches by requesting Form 7062.

Union Bag & Paper Corporation, New York, has added to the board Donald J. Hardenbrook, and placed him in charge of industrial and public relations and the service departments, including traffic, purchasing, legal and accounting.

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WHITE TO DARK AMBER
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Brand Name	Indopol L-10	Indopol H-100	Indopol H-300
Mean molecular weight	330	780	940
Viscosity S.U. seconds			
at 100°F.	114	—	—
at 210°F.	40.6	942	3330
Specific gravity 60°/60°F.	.831	.881	.894
Refractive Index (20/d)	1.4655	1.4918	1.4959
Color, N.P.A.	2	2	3
Pour point (ASTM)°F.	−65	+20	+35
Weight, lbs./U.S. gallon	6.92	7.34	7.44

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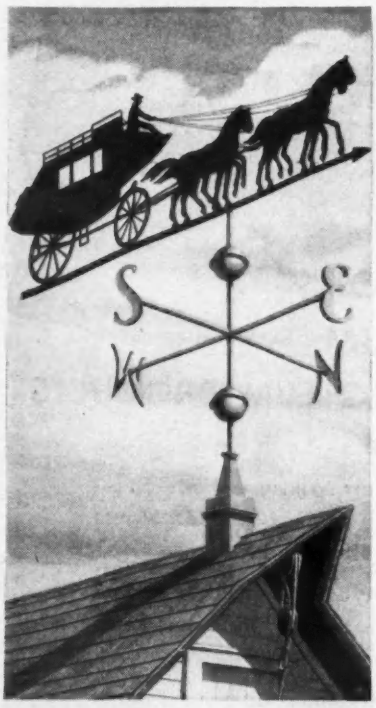

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Solids content	49-51%
Solvent	3-1 Xylol & Petroleum Spirits
Viscosity	Z-Z2
Color (Hellige)	1-3
Acid No. of solution	3-5
Pounds per gallon	8.0
Aliphatic solvent tolerance	Fair
Pigment compatibility	Excellent
Air dry—setting time	Fast
Baking speed	Fast
Hardness	Very Good
Flexibility	Very Good
Gloss	Good
Color retention	Excellent
Water resistance	Very Good
Oil and gasoline resistance	Excellent
Weather resistance	Excellent
Specific gravity (resin)	1.15
Phthalic anhydride (resin)	40%
Rosin or derivatives	None
Phenolic content	None
Oil acids content (resin)	37%
Type of oil	Soya

If just now you are unable to get all the Glyptal alkyd resins you want, you will be pleased to know that G.E.'s facilities for manufacturing these quality products are now being expanded to bring production into step with demand.

GENERAL ELECTRIC
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AHCO PRODUCTS

METHYL "CELLOSOLVE"* STEARATE

METHYL "CELLOSOLVE" STEARATE, a synthetic ester, is used as a plasticizer for cellulose derivative, paper coatings and wax finishes. The following data may suggest other uses.

Chemical formula	$C_{17}H_{35}COOCH_2CH_2OCH_3$
Molecular weight	342
Color (platinum cobalt scale)	175
Melting point	22° to 24°C
Flash point	378°F
Acidity	less than .6 mg. KOH per gram ester
Specific gravity	.888 at 25°/25°C
Iodine value	2 max.

Low volatility

* Trade mark of C&CCC

BUTYL STEARATE

BUTYL STEARATE, a synthetic ester, is used as a plasticizer for cellulose and polyvinyl derivatives, also for cosmetics, paper coatings and wax finishes. The following data may suggest other uses.

Chemical formula	$C_{17}H_{35}COOC_4H_9$
Molecular weight	341
Color (platinum cobalt scale)	130
Melting point	19° to 20°C
Flash point	358°F
Acidity	less than .6 mg. KOH per gram ester
Saponication number	171-179 mg. KOH per gram ester
Specific gravity	.85-.86 at 20°/20°C
Iodine value	2 max.

Low volatility

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Manufacturing Chemists
PROVIDENCE, R. I.
Established in 1815 • Plants at Dighton, Mass. and Charlotte, N. C.
NEW YORK • BOSTON • PHILADELPHIA • CHARLOTTE

Protective Coatings Materials

A few additional upward adjustments of prices for paint and varnish ingredients have been forced upon the manufacturers and importers of these materials within the past week, despite unremitting efforts on the part of a vast majority of prospective coatings makers to hold the line on their semi-finished and finished products at approximately the levels of the now-suspended Office of Price Administration's ceilings, pending a definite decision by Congress on the re-establishment of some system of Government price controls or their permanent elimination.

The new price markups, most of which had been foreseen as inevitable sequels to huge advances in the prices asked for zinc as well as lead and copper and also for a fatty acid in scanty supply or enormously increased costs of production or spectacular boosts in primary market costs, have included a long-expected advance in leadfree and leaded grades of zinc oxide, sharp rises in all the stearates, resulting from the recent increase in the price of stearic acid. These have followed closely upon two equally notable advances in the prices of lead pigments, a 100 percent upswing of the shellac market, and a wild upsurge in naval stores, recorded in the last few issues of OPD.

There has also been a further upswing and settling back of gum naval stores markets this past week and a seesawing movement in the American markets for shellac, sequelling an easing of the highly speculative market in Calcutta, which has carried prices of T. N. and superfine grades downward slightly while boosting the price for the bleached bonedry grade to a negligible additional extent.

A further slight markup in the price of linseed oil and a sharp advance in both Argentine and domestic casein prices have also been included in the week's upward adjustments.

Metallic Lead and Zinc

The recent markups by producers of prices for primary metallic lead by an aggregate of 3 cents per pound from a basis of 6½ cents to one of 9½ cents per pound, to compensate, for the loss of the Government subsidy payments, has failed to exert any restrictive influence upon the demand for and purchasing operations in this metal. But, as the producers are required, after August 1, to set aside 25 percent of their output, their available stocks will have to be held down to relatively small proportions. And consumers, including makers of the lead oxides and other pigments, are already finding it rather difficult to procure all the pig lead they require, despite the promised release by the Metals Reserve Company of 7,965 tons from its stockpile during the current month.

The latest report by the Bureau of Mines on operations in the mining, smelting and refining of metallic lead —that for May—shows the total production of the U. S. A. for that month to have amounted to 25,022 tons, compared with 28,060 tons for April and a monthly average for 1945 of 32,414 tons.

Prices of pig lead have continued unchanged for the week July 12—19 at 9.35c. per pound in St. Louis and 9.50c. in New York.

With the announcement, this past week, that another zinc producing company had advanced its price for prime Western slab zinc to the 9½-cent basis, previously proclaimed by a pioneer in the markup movement, to compensate for loss of subsidies, the market for this metal has been firmly established at that level, although still another producer has continued to refrain from making any formal announcement on that subject. A spirited demand for zinc slabs prevails throughout the country and to assure the most equitable distribution possible under the circumstances, CPA has limited inventories of all grades of metallic zinc, including zinc base diecast alloy, to a 30 days' supply or a practical minimum working inventory, whichever is less. The Department of Commerce's Office of International Trade has added to the positive list of commodities, requiring individual licenses for export, all forms of metallic zinc, including that cast in slabs, pigs or blocks, described as special high grade zinc, also the high grade and intermediate grade, brass special, selected and prime Western.

The total mine production of metallic zinc for May, according to the latest report of the Bureau of Mines, is shown to have amounted to 47,615 short tons, contrasted with 47,465 tons for April and a monthly average for 1945 of 51,000 tons.

Prices for slab zinc have remained at the new high level of 9.50c. per pound, f.o.b. East St. Louis, for prime Western slabs.

Pigments

White Lead—The recent naming of a second set of higher prices for basic carbonate and basic sulphate types, showing advances of 1¼ cents per pound, has not checked to any perceptible degree the clamorous call for these white lead pigments but processors are hard pressed in endeavoring to meet all requirements of their regular customers and wholly unable to fill new orders in their entirety, because of the short rationing of metallic lead, which is not likely to be materially improved by the release, this month, of 7,965 tons from the Metals Reserve Company's stockpile.

Zinc Oxide—In comparatively quick recognition of the materially increased cost of metallic zinc, announced by all but one of the producing companies, all except one of the American oxidizers have advanced their prices for both leadfree and leaded types of zinc oxide by 1¼ cents per pound to 8½ cents for the American process, commercial, leadfree types in bags for carload lots, 8¾ cents for 5 percent leaded, 9 1/8 cents for 35 percent leaded, and 9 3/8 cents for 50 percent leaded, as well as 10¾ c. for white seal French process leadfree, 10¼ cents for green seal, with the acicular type of the domestic pigment and the ordinary French process leadfree grade held at 8½ cents. The U. S. P. grade, likewise, has been marked up similarly to 11¾ cents for carload lots in cartons.

Fillers and Extenders

Asbestos — Moving in seasonally heavy volume, with prices well maintained on Canadian and other foreign-minded and domestic materials. Latest importations have included 7,200 bags.

Talc—A keen demand continues to be noted for French and other talcs of foreign origin, chiefly in the cosmetic line, but there is also a moderate call for fibrous and other domestic grades. Latest arrivals from France have aggregated 3,160 bags.

Dry and Chemical Colors

Chrome Colors—Although to date there has been no reflection in chrome color prices of the second recent markup of metallic lead costs, amounting to 1¼ cents per pound, or of the second commensurate advance in quotations for the lead oxides, such

For Late Market Developments, See Page 4

Market Trends

Prices Advanced

Alphapinene, 5½c. per gal.
Gum rosin, 10c. to 20c. per 100 lbs.
Gum turpentine, 5½c. per gal.
Shellac, bleached, bonedry, 1c. per lb.
Stearates, aluminum, 4½c. per lb.; barium, calcium, copper, lead, lithium, magnesium and zinc, 3½c. per lb.
Zinc oxide, American, leadfree, 1¼c. per lb.; leaded, 1¼c. per lb.

Prices Reduced

Shellac, superfine, 5c. per lb.; T.N., 5c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
150.4	148.9	143.8	140.2

(For Current Prices see Page 9)

STEARATES

ZINC
CALCIUM
ALUMINUM
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Dependable Deliveries.
Unsurpassed Quality.

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A NEW PIGMENT

99+% Hydrated Ferric Oxide

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AND PASTE, ALL GRADES

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BRONZE POWDER

PALE AND RICH GOLD, ALL GRADES

AMERICAN FIRSTOLINE CORPORATION

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CABLE ADDRESS: FIRSTOLINE

an additional rise in the prices for these colors appears inevitable, and imminent. Meanwhile, the demand for chrome green, chrome yellow and chrome orange as well as for zinc chromate yellow primer continues to mount daily, far outstripping their output which is still being held down by the inadequacy of bichromate production.

Driers and Flatteners

Naphthenates — Unlike stearates, whose prices have been marked up sharply all along the line, because of a recent notable increase in the cost of its fatty acid content, stearic acid, naphthenates are continuing to be offered at the old price levels prevailing prior to the passing of OPA and the removal of allocation control, exercised by the now defunct WPB during the war period, inasmuch as there has been no corresponding advance in the cost of naphthenic acid and no tendency to reflect the materially marked up costs of a majority of their most important metal ingredients. The demand for all the metal naphthenates continues fairly brisk and processors are able to meet all current requirements, as they are amply supplied with naphthenic acid and the other constituents of their products.

Stearates—The recent sharp advance in the price of stearic acid and the continuing upward trend of the market for that fatty acid have found notable reflection in a markup of prices for all the metal stearates, amounting to 4½c. per pound in aluminum stearate and 3½c. per pound in barium, calcium, copper, lead, lithium magnesium and zinc stearates. The new prices named by their processors are approximately as follows:—aluminum, precipitated in cartons, 27½c. in carload lots; barium, 34½c.; calcium, 28½c. in carlots; copper, 35½c.; lead, 34½c.; lithium, 53½c.; magnesium, 34½c., and zinc, 32½c.

Lacquer Materials

Butyl Acetate—Continues in keen demand, but scanty supply because of the inadequacy of grain and molasses stocks for the making of normal fermentations. CPA has limited inventories to forty-five days' supply or practical minimum working inventories, whichever is less. Prices remain unchanged, but are regarded as more or less nominal.

Butyl Alcohol—A clamorous call for this material is reported by all distillers, but the supply situation is steadily tightening, because of the shortage in grains and molasses for the production of normal fermentations. Prices remain unchanged, but are generally regarded as nominal. CPA has tightened its inventory control by placing a restriction on inventories whereby no more than forty-five days' supply is ordinarily permitted, although a practical minimum working inventory is allowable, if this is for less than the forty-five days' supply.

Butyl Stearate—Although impelled to raise their prices for butyl stearate to an extent commensurate with the recent sharp advance in the cost of stearic acid, manufacturers of this material are generally disposed to give careful consideration to the amount which they believe to be a warrantable markup in this instance before making formal announcement of such a markup. In view of the advances in prices of all the metal stearates, ranging from 3½ to 4½c. per pound, it is expected that the present nominal quotation of 31½c. for butyl stearate will be advanced similarly within the next few days. Meanwhile, those producers who have any stocks have withdrawn quotations.

Naval Stores

Rosin—Under the stress and strain of a hugely mounting export demand, prices of the pale and medium grades of gum rosin were run up, even under the "weighted average' rule on the Savannah Naval Stores Exchange, from 10 cents to 20 cents per 100 pounds, with the most pronounced elevations being recorded in window-glass and waterwhite grades, which were marked up from $7.10 and $7.15, respectively, to $7.25 and $7.35. Nancy was upped from $7.10 to $7.15 and I, K and M, from $7.05 to $7.15, while E and F were lifted from $6.85 to $7 and G and H from $6.95 to $7.05. The demand for gum rosin, though still below normal at this time of the year, continues moderate-sized. A notable hiatus in the issuance of export licenses is delaying the movement out of the country.

In the South, production of crude gum has latterly been running somewhat ahead of that at the corresponding time last year. Dry, hot weather has had a highly stimulating effect upon production in the woodlands and a majority of the processing plants

SICO

Ultramarine Blue
Alkali Blue Toner
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FERRO CHEMICAL CORPORATION

(Successor to Ferro Drier & Chemical Company)

Union Commerce Bldg., Cleveland 14, O.

are now reported to be operating at capacity.

Savannah, July 19.—Following is a record of the market for the week:—

	Price per unit—Low of range quoted				
	Mon.	Tues.	Wed.	Thurs.	Fri.
B	$6.20	$6.20	$6.20	$6.20	$6.20
D	6.20	6.20	6.20	6.20	6.20
E	6.85	6.85	7.00	7.00	7.00
F	6.90	6.90	7.00	7.00	7.00
G	7.00	7.05	7.05	7.05	7.05
H	7.00	7.05	7.05	7.05	7.15
I	7.07	7.15	7.15	7.15	7.17
K	7.07	7.15	7.15	7.15	7.17
M	7.07	7.15	7.15	7.15	7.17
N	7.11	7.15	7.15	7.15	7.17
WG	7.11	7.25	7.25	7.25	7.30
WW	7.15	7.25	7.35	7.35	7.30
X	7.15	7.25	7.35	7.35	7.30
	Drums				
Sales	81	81	28	...	480
Receipts	675	419	167	151	177
Shipments	605	...	...	...	...
Stocks	6,888	7,307	7,474	...	7,802

Turpentine—A further spectacular upsurging of the price of gum turpentine occurred at the outset of last week, when, even under the "weighted average" rule on the Savannah Naval Stores Exchange, purchases were made as high as $1.04 per gallon, there, after the previous week's closing figure had held at 96½ cents. Then, however, it became evident that operators for the advance had overshot the mark considerably and in the two subsequent trading days the price was bid down to $1.01½ and $1.01 per gallon. In the New York market, dealers marked up their offerings of gum turpentine to $1.20 but later dipped their asking prices to $1.15 and $1.10. As more liberal offerings became available in the South, some consumers overbought their immediate requirements and it was the general belief that, although the price of gum turpentine in the South will probably hold around $1 per gallon, it may drop back to around 95 cents, or perhaps 90 cents, when consumers whose stocks have hitherto been very low, complete the building up of their inventories, with a resultant slackening of the now spirited demand. The 90-cent level would be close to that which OPA had agreed to establish a ceiling before the passing of that price control agency.

Steam-distilled and sulphate turpentine continue in keen demand and scanty supply, being firmly held at the recently advanced prices. But it is expected that when the construction of larger plant capacities are completed in September, the supply will be considerably amplified.

Savannah, July 19.—Following is a record of the market for the week:—

	Bulk gallons		Barrels		
		Sales.	Receipts.	Shipments.	On hand.
Monday	$1.04	950	...	259	1,518
Tuesday	1.01½	14,850	135	617	1,054
Wednesday	1.01	11,350	120	592	782
Thursday	1.01	...	108	227	663
Friday	1.02½	814	280	386	537

Synthetic Resins

In view of the acute shortage of some synthetic resins, and also of plastic molding powder and plastic molding compounds, the Civilian Production Administration has announced the withdrawal of offers of priorities assistance to manufacturers of plastic products to support even minimum economic rates of production and hereafter will not grant a CC rating for these component materials except in cases of emergency under the special provisions of paragraph (h) and (i) of priorities regulation 28, or for critical products under paragraph (e).

Phenolic Resins—In spirited call but fairly plentiful supply. A strong undertone is noted in the market for these resins, however, with a tendency toward higher prices within the near future.

Varnish Gums

Copal—The wrangle with the Belgian Government over the proposed

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Zinc Chromate
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Manufacturers of PLASTICIZERS and CHEMICALS
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METHOX (Dimethoxy Ethyl Phthalate)
(Dimethyl "Cellosolve" phthalate)
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DIOCTYL PHTHALATE
KAPSOL, (Methoxy Ethyl Oleate)
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Samples and data on request
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increase in the export tax on copal gum from the Belgian Congo is tying up new purchases of this Congo gum in the primary market after several lots had been bought there by American importers at prices fully 30 percent to 40 percent above the old and long since defunct OPA ceilings. But none of these purchases has reached this country and hence no local landed prices have yet been named by the importers.

Manila Copal—A recent importation of 264 bags of this copal gum from Manila has revived the market for it in the United States, following a hiatus of the four war years, during which stocks were depleted and impossible to replenish. The importers of this relatively small consignment are now asking 25 cents a pound for the No. 1 grade, here, after being transported from San Francisco, where it was initially landed.

Elemi—An arrival of 9 drums of this gum from Manila has been recorded this past week but no landed prices have yet been named.

Shellac—Under the influence of a marked recession in the Calcutta market from the peak price levels reached there at the close of last month and the outset of this month, American importers have been inclined to make some concessions in the prices quoted a week ago for the small quantities or T.N. and superfine types of lac still available in this country and on July shipments thereof in cold storage. From a level of around 72-73 cents per pound, some importers have cut their price for T.N. to 68 cents while others are still quoting 72 cents. And on superfine, a few importers are now naming more or less nominal prices of 70 cents, although others continue to ask 75 cents.

On the other hand, most of the importers have stiffened in their views on bonedry bleached, which they were hitherto holding at 70½ cents to 71 cents and are now asking 71½ cents to 72 cents while holding the refined grade of bleached lac at the former level of 78½ cents. Numbers 1 and 2 lemon lac continue to be quoted at the slightly lowered levels of 72 cents and 75 cents, respectively. A cargo consisting of 4,865 bags of seedlac, 25 bags of garnet lac, 200 bags of kiri, or refuse, lac and 2,450 bags of otherwise unspecified lac has reached New York from Calcutta, this past week.

Calcutta, July 17 (Comtelburo)—Growing fears that the United States may reinstate price ceilings unsettled the shellac market in this center today. Prices slumped sharply, the general market being quoted at 135 rupees per maund, compared with 150 rupees yesterday.

Shellac prices last week reached a peak of 170 rupees, principally because of speculative buying on the theory that the United States would absorb the bulk of the reported record Bysaikhi crop.

Glues and Binders

Casein—Freed, temporarily at least, from the price controls formerly exercised by OPA, domestic producers and American importers of casein have marked up their prices for this material by approximately 7 cents per pound to a basis of 41 cents to 43 cents per pound. Offers at Buenos Aires, which have recently been advanced to 37 cents, f.o.b. that shipping point, equivalent to 41 cents, landed here, duty paid, are now being taken up by the American importers and the American dairies are likewise holding their steadily increasing output at 40 cents for the most part, although occasionally asking 41 cents, 42 cents and even 43 cents per pound.

Plastics Industry in Palestine has grown in importance and now includes nine factories making plastic products, with delay in arrival of imported molding powder the biggest bar to further expansion.

SCHUNDLER

Foundry Bentonite	Air-Float
Detergent	No. 44 (crushed)
Hy-Vis	Crushed-Dried

Standard 200 or 325 mesh
Fesco-Jel Drilling Mud
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Oils, Fats, and Waxes

Activity in the oils and fats market was centered in tallow and grease last week and sales of large quantities were transacted at net advances of one and one quarter cents per pound. This business, it was stated, was placed for the account of candle makers, with soapmakers not participating. An active demand continued for these products and additional quantities, it was stated, would have been sold, if available. Higher prices also were named for animal oils and other by products following the advances of hogs and cattle prices.

Linseed oil was boosted another cent per pound, as a result of the higher cost of seed in the West. Farmers were holding old crop seed and asking more than $4. per bushel. Fish oils were stronger under an active demand and business was reported for crude menhaden and sardine oils, if and when made, this season, well above recent ceilings. Demand for dehydrated castor oil continued exceedingly heavy and users were reported to have bid above ceilings without obtaining the oil. Stocks of this oil were low. Two plants of a leading producer have been shut down for more than two months, and other makers are sold up and are limiting operations to delivery against previous orders. Tung oil situation remains tight, offerings from China continued confined to small lots which were promptly absorbed at ceilings. Arrivals of some olive oil from Spain were due here early this week, the first consignment to be received in the exchange of refined soybean oil. Resale Syrian olive oil in drums was offered on the spot at about double the recent ceiling, with demand reported slow.

Cottonseed Oil

This market was a dull and nominal affair last week. Reports from the South indicated occasional sales of crude oil on a barter basis. A good inquiry was reported for new crop oil with business in abeyance until the OPA situation is clarified.

Consumption of oil in June was placed at 176,482 barrels, compared with 223,260 barrels in May and 215,335 barrels during June last year. Disappearance for the eleven months ending June 30 totaled 2,241,151 barrels this season against 2,751,460 barrels last year. Visible supply of oil was estimated at 920,000 barrels June 30, compared with 1,092,100 barrels a year ago.

Memphis, July 18.—Sales of cottonseed meal were made at $100 per ton, sacked, f.o.b. mills, for Fall shipment. Old crop cottonseed and soybean oils selling on consignment, price to be adjusted should ceilings be re-established or buyer pays market price if ceiling is not set.

Linseed Oil

An advance in quotations of 1c. per pound was announced last week, though crushers stated that prices were entirely owing to the inability to offer oil. Raw oil was quoted at 17.9c. per pound in tankcars and tankwagons and 18.70c. per pound, drums, carlots. Production of oil was moving against former orders and outside of sales of small drum lots to consumers in dire need of oil, the market was firm and nominal.

Minneapolis, July 16.—Private estimated broad, but crushers continued to be in a short position as far as oil was concerned and had nothing for sale in the open market. Crushing operations wavered somewhat early in the month, but at the last survey it was indicated that production was approximately 50 percent of capacity with terminal and interior mills. Shipments of oil continued at a steady rate, buyers urging immediate delivery on all purchases and mills were obliging to the full extent of production. Linseed oil, per pound, tanks, 16.5c.; cooperage, 17.3c.; warehouse lots, 18.3c.

Shipments of linseed oil, in pounds, were as follows:—

	1945-46	1944-45
This week	4,620,000	2,500,000
Since Sept. 1	275,430,000	226,790,000

Flaxseed—Market was firmer and prices were advanced last week, with sellers naming up to $4 per bushel for old crop seed.

Minneapolis, July 16.—Demand connates placed the flax production at about 25,000,000 bushels, which is a 20 percent increase over the government July figure of 20,000,000 bushels. This was based on a higher yield per acre than the government report and indications that recovery from early frosts and the weed free condition of the southern flax belt would more than offset freeze-out losses. Seed buyers were aggressive in the spot market as receipts increased and a broader trade developed. All mills were interested in adding to their limited supplies on hand and maintaining the crushing rate which is much higher than was expected.

	Receipts 1945-46	Receipts	Shipments 1944-45	Shipments
This week	160,500	37,500	28,500	90,000
Since Sept. 1	20,677,900	10,520,000	4,458,600	2,126,700

Buenos Aires, July 17—Flaxseed shipments totaled 200,000 bushels to the Continent last week. Flaxseed was quoted at $2.04¼ per bushel, f.o.b. terminal elevators. Visible seed supply was estimated at 3,150,000 bushels.

Hull, July 17.—Flaxseed, Bombay, £46½ nominal, July; Calcutta, £27 nominal, July; La Plata not quoted.

Other Vegetable Oils

Coconut—Sales of a sizable quantity of crude oil were reported at ceilings —8⅛c. per pound, tankcars, f.o.b. Pacific coast, last week. This oil it was stated was crushed from copra purchased at the ceiling. Another shipment of Manila copra totaling 4,378 tons arrived at Baltimore last week.

Oiticica — Arrivals totaled 1,065

Market Trends

Prices Advanced

Beeswax, crude, 2c. per lb.
refined, 2c. per lb.
Carnauba wax, yellow, Nos. 1 and 2, 4c. per lb.
Grease oil, 3c. per lb.
Greases, 1¼c. per lb.
Linseed oil, 1c. per lb.
Neatsfoot oil, pure stock, 6c. per lb.
Oleo oil, 3c. per lb.
Oleostearin, 6c. per lb.
Tallow, 1¼c. per lb.

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
216.4	204.1	193.4	193.3

(For Current Prices see page 9)

Cottonseed Crush Smaller: June

Cottonseed received and crushed and production of cottonseed products from August 1 through June 30, 1946, as compiled by Bureau of the Census, follows:—

Cottonseed

	Tons 1945-46	Tons 1944-45
Receipts	[1]3,102,287	4,310,510
Crushed	3,218,839	4,137,363
On hand June 30	100,230	284,013

Crude Oil

	Pounds 1945-46	Pounds 1944-45
Produced	1,003,129,000	1,285,745,000
Shipped	1,006,126,000	1,279,755,000
On hand June 30	[2]24,542,000	64,855,000

Refined Oil

	Pounds 1945-46	Pounds 1944-45
Produced	[3]937,021,000	1,156,558,000
Shipped	.....	.....
On hand June 30	[4]316,186,000	295,908,000

Cake and Meal

	Tons 1945-46	Tons 1944-45
Produced	1,415,270	1,899,747
Shipped	1,427,214	1,856,309
On hand June 30	40,314	71,488

Hulls

	Tons 1945-46	Tons 1944-45
Produced	773,297	957,652
Shipped	801,668	905,341
On hand June 30	33,326	67,104

Linters

	Bales 1945-46	Bales 1944-45
Produced	[5]975,372	1,211,576
Shipped	945,244	1,241,851
On hand June 30	[6]48,704	31,645

[1] Includes 2,558 and 7,400 tons destroyed during 1945-46 and 1944-45, respectively. Does not include 219,340 and 118,256 tons on hand August 1, 1945 and 1944, respectively, nor 55,281 and 75,772 tons reshipped during the seasons 1945-46 and 1944-45.
[2] Included in All Other States.
[3] Includes 8,326,000 pounds at oil mills, 13,440,000 pounds at refining and manufacturing establishments, and 2,776,000 pounds in transit.
[4] Produced from 1,038,965,000 pounds of crude oil.
[5] Includes 291,530,000 pounds at refining and manufacturing establishments and 24,656,000 pounds held elsewhere and in transit.
[6] Includes 256,404 bales first cut, 617,618 bales second cut, and 101,350 bales mill run.
[7] Includes 29,218 bales first cut, 17,002 bales second cut and 2,484 bales mill run.

For Late Market Developments, See Page 4

STEARIC ACID
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(Red Oil)
DISTILLED
FATTY ACIDS
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Vegetable
RUFATS
(Hydrogenated
Fatty Acids)
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400 Madison Avenue PLaza 8-2644 New York 17, N.Y.

Margarin Output Smaller

Margarin production during May was smaller than the previous month, according to statistics compiled by the Bureau of Internal Revenue.

	Pounds May 1946	1945
Total production of uncolored oleomargarin	39,819,802	[1]42,985,126
Total withdrawn tax-paid	40,347,281	40,048,678
Used in Uncolored Margarin		
Butter culture	530	.....
Butter flavor	283	369
Citric acid	184	179
Corn oil	485,879	808,410
Cottonseed flakes	.....	.....
Cottonseed oil	15,629,660	22,501,430
Cottonseed stearin	.....	72
Derivative of glycerin	66,020	77,164
Diacetyl	97	82
Emcol	6	.....
Estearin	8,265	6,226
Lecithin	51,144	48,870
Milk	6,673,319	7,502,092
Monostearin	31,955	34,302
Neutral lard	149,134	233,644
Oleo oil	143,791	314,538
Oleo stearin	139,834	212,819
Oleo stock	16,980	24,966
Peanut oil	866,305	225,943
Salt	1,275,045	1,347,442
Soda, benzoate of	28,551	27,950
Soybean oil	15,006,159	10,536,862
Soybean stearin	.....	672
Tallow	2,700	.....
Vitamin concentrate	7,473	9,226
Total	40,533,314	44,033,158
Total production of colored oleomargarin	[2]2,148,700	11,339,645
Total withdrawn tax-paid	1,383,138	1,428,033
Used in Colored Margarin		
Butter flavor	76	168
Color	1,576	7,907
Corn oil	177	4,647
Cottonseed flakes	1,150	6,478
Cottonseed oil	513,986	593,302
Derivative of glycerin	2,441	12,098
Diacetyl	20	24
Estearin	178	1,569
Lecithin	1,546	5,650
Milk	360,466	1,900,809
Monostearin	1,264	8,562
Neutral lard	24,571	347,014
Oleo oil	12,885	731,809
Oleostearin	.....	643
Oleo stock	1,050	124,500
Peanut oil	14,219	1,348
Salt	74,064	382,539
Soda, benzoate of	1,274	6,457
Soybean oil	1,151,441	7,421,847
Soyflakes	.....	4,177
Vitamin concentrate	281	2,681
Total	2,162,675	11,476,229

Note—The figures for May, 1946, are subject to revision until published in the commissioner's annual report.

[1] Of the amount produced, 2,692 pounds were reworked.

[2] Of the amount produced, 32 pounds were reworked.

drums at New York last week and delivered to consumers against old contracts. None was available for resale. Demand for oil on the spot was active with market bare of supplies. Shipments from Brazil were not offered.

Olive—Spanish oil was due to arrive at New York early this week, with a moderate quantity for delivery mostly to packers. This oil it was reported was the first consignment shipped in exchange for soybean oil. And additional shipments are afloat. Arrivals from Syria and Palestine totaled 1,703 drums and 242 barrels at New York last week. Resale lots were available at $9.25 to $9.75 per gallon, drums, duty paid, spot delivery, according to quantity. Trading was quiet.

Tung—Inquiry continued active, with business restricted, owing to the light offerings for shipment from China. Recent sales were reported done at ceilings. Reports from the interior of China stated that the potential production of oil this year was expected to be much smaller than prewar levels, because of the damage done to the groves and producing facilities. Reports from the South indicated good prospects for the domestic crop and the oil production was expected to show a moderate increase above the 5,000 tons produced last year.

Fats and Greases

Greases—Trading was reported at an advance of 1¼c. per pound and all

TALLOW FATTY ACIDS GLYCERINE STEARIC ACID RED OIL WHITE OLEINE USP

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offerings were readily taken at the higher levels. Consumers were in the market for additional supplies, with offerings scarce. House grease was quoted at 12½c. per pound, loose, f.o.b. works; yellow, 12⅝c. and white A 12¾c., same basis.

Lard—Bids were advanced steadily in Chicago last week, but little material reached the open market. Hogs reached highest levels since 1919. Lard and rendered pork fat stocks totaled 35,404,000 pounds, July 1, in the United States, compared with 45,539,000 pounds in June and 65,899,000 pounds July 1 last year. The five-year average for July 1 was 238,359,000 pounds. Chicago lard stocks were placed at 4,265,543 pounds, July 15, against 4,648,500 pounds July 1 and 8,676,325 pounds, July 1 last year. Purchases of lard and rendered pork fat in May were reported at 65,932,986 pounds at the cost of $10,364,174 by the Department of Agriculture.

Tallow—Sales were transacted at increases of 1¼c. per pound last week. Demand was active and available stocks were promptly taken, with consumers seeking additional quantities. Extra was sold at 12⅞c. and special, at 12¾c. per pound, loose, f.o.b. works.

Waxes

Beeswax—Market was firmer and prices for spot supplies were increased from 1c. to 4c. per pound as to grade.

Carnauba—Consuming inquiry was more active for nearby replacements. Spot supplies were light and well held. Offerings for shipment were limited and firm. North country, No. 3 was quoted at $1.68 per pound, prompt shipment, f.o.b. Brazil and January forward at $1.60, same basis.

Montan—The first large shipment of genuine wax totaling 1,000 bags was received at New York last week. Bulk of this quantity was reported sold before arrival.

Fish Oils

Cod Oil—Arrivals of 120 barrels were reported at New York from Norway last week for consignment on prior contracts. Supplies for resale continued scarce.

Menhaden—Further sales were reported in crude oil at 12c. per pound, works, loose, for future delivery. Previous business was done at 11c. and bids at this figure were reported for July delivery. Refined oil was firm at the recent advance which was made to offset the higher cost of crude.

Baltimore, July 16.—Hauls of menhaden on the Chesapeake Bay and outside of the Virginia Capes continue on a smaller scale than the record catches recorded during the past few weeks, but they are still to be regarded as fair. Large buyers purchased crude at 11c. per pound, loose, works and were bidding at this figure for July delivery. Sales also were heard at 12c. Producers were not offering, awaiting higher bids. Operations of the fleet north of Lewes, Del., are proceeding about as before, but with the returns there keeping up.

Sardine—Trading in crude oil was reported quiet last week following the previous sales of 50 tankcars at 13.3c. per pound, loose, if and when made,

—*Continued on page 76*

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SPECIAL PETROLATUMS
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Pages 17 and 18—This Issue

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2—Closed Jack. agitated Kettles with coils; 1—1,200 gal., 1—900 gal.
1—1,200 gal. closed jack. Kettle or Vacuum Still.
2—Closed jack. agitated Kettles or Vacuum Stills.
1—250 gal. Copper jack. agit. closed Kettles or Vac. Stills.
1—350 gal. closed jack. agit. Kettle.
1—100 gal. open Tank.
28—250 GAL. NEW CLOSED HORIZONTAL STORAGE TANKS, OVAL SHAPED, APPROX. 46" AND 28" BY 61" LONG, 18" ROUND MANHOLE IN TOP, ⅛" PLATE.

CRYSTALLIZERS VACUUM PAN DRYERS

4—Buflovak 6' dia. Jacketed Vacuum Pan Dryers or Crystallizers—also two of atmospheric type, same size, also jacketed and agitated—300 gallons capacity—cast iron—jackets cast integral with shells.
7—Swenson-Walker Continuous Steel Jacketed Crystallizers, Mixers or Dryers, each made up of four 24"x26"x10' long sections with heavy spiral ribbon agitators. Each unit with worm gear speed reducer.

SPECIAL PURCHASE

1—A. Colton No. 14 Fully Automatic Tube Filler, Closer and Clipping Machine.
58—Philadelphia GEAR REDUCERS.
37—Philadelphia Vertical Gear Reducers and motors, 2 HP.
1—Pneumatic Scale six head fully automatic Capping Machine.
5—World and Ermold semi-automatic Labeling Machines, MD.
3—W & P MIXERS, 150 gallon capacity, 100 gallon working capacity, size 15, style VI, type BS, equipped with sigma blades.
2—Stokes Hand Tube Fillers.
2—Colton Hand Tube Fillers.
4—Hand Closers and Crimpers.

JUST PURCHASED
Chemical Perfume Plant

2—200 gallon Copper steam jacketed Agitated Kettles.
4—100 gallon Copper steam jacketed Agitated Kettles.
1—275 gallon All Copper Vacuum Pan, complete with condenser.
1—250 gallon All Copper Vacuum Pan, complete with condenser.
1—60 gallon All Copper Vacuum Pan, complete with condenser.
1—50 gallon All Copper Vacuum Pan, complete with condenser.
2—25 gallon Copper Jacketed Evaporating Pan.
1—60 gallon Copper Jacketed Evaporating Pans.
1—J. H. Day Drug Mixer.
13—400 lb. All Copper Percolators.
8—200 lb. All Copper Percolators.
5—100 gallon Closed Copper Tanks.
Miscellaneous small copper tanks, crocks, stone percolators, stone filters, etc.
6—Day wall type agitators.

DRYERS

1—Devine VACUUM SHELF DRYER, 14 shelves, 40x43; also 10-SHELF DRYER, Complete.
8—B. & C. 28" dia. x 60" two Atmospheric DOUBLE DRUM DRYERS complete.
1—32"x72" BUFLOVAK ATMOSPHERIC DOUBLE DRUM DRYER, m.d.
2—Direct heat ROTARY DRYERS; 5'x30', 6'x35'.
1—ROTARY KILN, 6'x60'.
6—ROTARY VACUUM DRYERS; 1—Devine, 5'x30'; 3—Devine, 4'x25'; 1—Devine, 4'x30'; 1—Struthers Wells, 30"x12'.
1—6'x35' Louisville Direct Heat single shell Rotary Dryer.
2—8'x50' Direct Heat Rotary Dryers.
1—4'x20' Ruggles-Coles Indirect Heat Rotary Dryer.
2—6'x28' Rotary Steam Tube Dryers.

Only a partial listing. Space does not permit listing all items. Send us your inquiries.

1—50 gal. STAINLESS STEEL VACUUM MIXER, J. H. Day Co. "Imperial" type, size 20, heavy duty, steam jacketed, double sigma blades, geared both ends, power tilting, enclosed silent chain drive from and incl. 25 HP 3-60-220 motor.

7—BAKER-PERKINS, size 15, style VI, class BS, steam jacketed sigma blade MIXERS, 150 gallons capacity, 100 gallons working capacity. Each equipped with Hydraulic Tilting devices. These mixers are new, unused.
2—Weeks McDonald straight line fully automatic LABELERS, motor driven.
1—Karl Kiefer No. 2 Visco FILLER, piston type, to fill 4 oz. to 32 oz., motor driven.
2—Rotary Cutters, Robinson and Hawes, 24", 30" blades.
1—Dopp 500 gallon jacketed KETTLE.
1—Colton No. 3 TUBE CLOSER and CLIP FASTENER.
1—J. H. Day auger FILLER, motor driven.
42—250 gallon STAINLESS STEEL TANKS.
16—Motor driven AGITATORS, 3 HP, 3/60/220-440 volt, 225 RPM.
Approximately 1,000 feet of STEEL BALL BEARING ROLLER CONVEYOR, from 17 to 32" widths.

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4—Raymond PULVERIZERS—4-Roll High Side; Nos. 00, 0000, 45, 55 and 70.
7—Hardinge CONICAL MILLS: 8'x30", 6'x36", 3'x8", silex lined; 8'x36", 6'x22", 5'x22" and 3'x8", iron lined.
6—ATTRITION MILLS, Bauer and Robinson, 22", 24", 30", 36"—motor driven.
12—Vibrating SCREENS: four 3'x6' Sturtevant 2-deck all-enclosed; six 3'x5', 4'x5' 1-deck Tyler Hummers; Tyler Rotap; Abbe No. 2 Bluteregess.
1—Size 42" Vertical ROCK EMERY MILL. Shop No. 1108, Sturtevant Mill Co., Boston, with enclosed silent chain drive and 40 HP 3-60-440 motor.

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CONSOLIDATED PRODUCTS COMPANY, INC.

WE BUY
FROM SINGLE ITEMS TO COMPLETE PLANTS
"Every Machine in Your Plant is a Used Machine"

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Shops: 335 Doremus Ave., Newark, N. J.
Cable Address: Equipment, N. Y.

FOR SALE

Stainless Steel Tanks—new—100 and 200 gal., dished bottoms with stands.
9—New Stainless Steel Jacketed Kettles, 30 and 40 gals. capacity; 2 100 gal. Steam Jacketed Kettle, 9' dia. x 5' deep, with agitator (new).
Stainless Steel Vert. Tank, 7' dia. x 10', No. 430 Chrome.
100—Steel Tanks—all sizes and shapes.
Copper tank with agitator and coil, 66" dia. x 7' high.
2—International Centrifuges, size 3, Type F.S., Stainless Steel with Motors.
Shriver Filter, 24" open del., all iron.
1—18 spout Karl Kiefer Rotary Filler.
10—New Sharpless Oil Purifiers..
6—DeLaval Imo Pumps, 2" suc., 2" disch. (new).
Stainless Steel Milton-Roy Pumps (new) with G.E. Explosion-proof Motors.

SPECIAL
3—Locomotive Type Boilers, 100 H.P. (new) 275 & 300 W.P., complete with Stacks.

H. LOEB & SON
4643 LANCASTER AVENUE PHILADELPHIA 31, PA.

EQUIPMENT
FOR CHEMICAL AND ALLIED INDUSTRIES

50—Closed, Aluminum, Rubber-Lined Tanks, 461 gals. capacity.

1—High Chrome Iron Tank, 6'x 30', ¼" plate.
1—Pfaudler Glass-Lined Storage Tank, 2,000 gals.
1—Pfaudler Glass-Lined Tank, Stainless Steel Agitator, 1/3 HP Motor, 500 gals.
1—Stainless Steel Holding Tank, 6 Compartments, 1,200 gals.
1—Nickel Jacketed Kettle, 400 gals.
10—Steel Brick-Lined Digestors, 6'x 20'.
10—Sharples Super-Pressurite Centrifuges, 3 HP Motors.
3—Buffalo Vacuum Dryers, 3'2"x 4'6", 5'10"x10'.
1—Buffalo Laboratory Vacuum Shelf Dryer, No. A.
1—Shriver Iron Closed Delivery Filter Press, 24"x24".

R. GELB & SONS, INC.
Est. 1886 UNION, N. J. UNionville 2-4900

Will Buy

surplus lots new or used

Steel Drums

NEWARK STEEL DRUM CO.
LINDEN, N. J.
C. J. Colville, Pres. Linden 2-4466

1 Colton Rotary No. 3 with one set of punches and dies.
1 Stokes Powder Bottle Filler.
1 J. H. Day single arm dough mixer.
1 100 lb. dry powder mixer.
1 lot of D. C. motors 1/20th to 10 HP.
1 gas stove with air blower attachment and 1/6 H P D C Motor.

Associated Laboratories, Inc.
850-888 Broadway, N. Y. C. 3, N. Y.

SPECIALS!

3—Model 1SH Mikro Pulverizers, 5 HP motors.
2—Knapp Automatic Can Labelers.
2—2,000 lb. Powder Mixers.
1—W. & P. 20 gal. Mixer, stainless steel lined with stainless steel blades.
17—Bucket Elevators, from 12' to 50' high, steel housing, motor driven.
1—Anderson No. 3 Moisture Expeller.
1—Tolhurst 40" Suspended Type Centrifugal, bottom discharge, belt driven.
1—Schaeffer Poldometer, 20"x4'.
1—Pfaudler Nickel Lined Jacketed Kettle, 287 gal.
1—Stokes Rotary Vacuum Dryer, 18"x3½'.
2—6' Buflovak Vacuum Crystallizers, complete.

1—Battery of 2 Tolhurst 40" Suspended Type Centrifugals, bottom discharge, motor driven, 15 HP motors.
2—Stokes "R" Single Punch Preforming Presses, 2½" die.
10—Colton and Stokes Single Punch Preforming Presses, up to ⅝".
1—FEINC 3'x2' Steel Rotary Vacuum Filter.
1—Readco 100-gal. Jacketed Heavy Duty Double Arm Mixer.
1—Schutz O'Neill 16" Ball Bearing, Style D Limited Mill.
1—Colton No. 2 Combination Tube Filler and Closer.
3—Abbe No. 00, 1 and 2 Blutergess Sifters.
1—New Era 100 gal. Double Arm Jacketed Mixer, motor driven.
1—Filler Machine Co. 4 spout Filler.
1—Lab. Valles Filter.
2—Zaremba All-Copper Evaporators, 500 sq. ft. each effect.
1—American 6' 2 Disc Rotary Continuous Filter.
6—Oliver 8' x 6' Rotary Hopper Dewaters. NEW.
1—Devine 4' x 15' Rotary Vacuum Dryer.
1—6' x 27'6" Rotary Steam Tube Dryer.
2—American 16" x 40" 3 Roller Mills, water cooled, motor driven.
4—Stokes Rotary B Tablet Machines.
7—Stokes, Colton, Mulford Single Punch Tablet Machines, 3B, 3D and "R".
3—Tyler Hummer Screens, 3' x 5', 4' x 5'.
2—Hardinge Ball Mills, 2' x 8", 4½' x 24".
7—Pebble Mills, 75, 100 gal.
1—Hurrell Colloid Mill, motor driven, 20 h.p. motor.
5—Copper Vacuum Pans, 42", 48", 5' and 6' dia.
5—1,200-lb. Brand New Powder Mixers.
6—Pfaudler Jktd. Agtd. Kettles, 100, 125, 200 gal.
2—60 and 125 gal. Alum. Jktd. Kettles.
10—Copper Jktd. Kettles, 25 to 150 gal., some agitated.
8—Steel Jktd. Kettles, 600 to 1,200 gal., some agitated.
4—W. & P. Mixers, 9, 20 gal.
1—Howes 24" x 12' Powder Mixer.
1—Williams No. 1 Hammer Mill.
1—Karl Kiefer Visco Piston Type Filler, motor driven.
5—World, Ermold Labelers.
1—60 gal. Cast Semi-Steel Autoclave, agitated, 3" wall.
6—Shriver, Sperry Filter Presses, 36", 32", 30", 24", 18", 12".
5—Shriver Wood Filter Press Skeletons, 24" to 42".
4—Sharples No. 6 Centrifuges, open and Presurtite.
3—De Laval No. 300, 600, 700 Clarifiers.
1—Tolhurst 40" Suspended type, Bottom Discharge Centrifugal, solid basket, M.D.
5—Tolhurst 32", 40", 48" Self-Balancing Type Centrifugals.
3—Buflovak Vacuum Drum Dryers, 24" x 20", 48" x 40", 5' x 6'.
4—Atmos. Drum Dryers, 4' x 9', 5' x 6', 6' x 12', 28" x 60".
2—Swenson Continuous Crystallizers, 24" x 30'.
1—Day 18" Pressure type ointment mill.
10—12" Belt Conveyors, 20 to 50' centers, built to specifications.
5—Rotary Dryers, 4' x 20' to 6' x 60'.

Partial List only. Your inquiries solicited. Send us your lists of surplus equipment.

BRILL
Equipment Co.
225 WEST 34th STREET
NEW YORK 1, N.Y.
BRyant 9-2040
Warehouse—2401 3rd Ave., Bronx, N.Y.

IMMEDIATE DELIVERY

LIQUIDATION
PIECEMEAL

LARGE CHEMICAL PLANT
Equipment so diversified adaptable for broad variety of Chemical and Industrial Plants and processes.

MACHINERY, EQUIPMENT, LAND, BUILDINGS, SUPPLIES

MAIN ITEMS

1—84" dia. all Copper RECTIFYING COLUMN.
15—All Copper RECTIFYING COLUMNS, 54", 48", 42", 40", 30" and 24" dia. Copper Tube Dephlegmators, Condensers, Calandrias, Preheaters, Still Pot, Instrument Controls, etc., for above column.

46—Steel Sheet surface CONDENSERS, each 150 1½"x7' copper tubes.
30—Miscellaneous Steel Storage TANKS, Vertical and Horizontal 200 to 22,000 gallon capacity. All clean on inside, used for alcohol.
18—All Bronze CENTRIFUGAL PUMPS, with stellited shafts, direct motor driven. Sizes 2½x1 and 1½x1.
11—Miscellaneous STEAM PUMPS, from 20x14x16 to 4x4x5.
1—200 K.W. Allis Chalmers ENGINE GENERATOR SET, non-condensing, 3/60/480 volts.
1—750 KW NORDBERG CORLISS ENGINE GENERATOR SET, non-condensing, 3/60/480 volts.
1—Amer. Consolid. 62 ton LOCOMOTIVE, std. gauge.
1—Baldwin 27 ton Saddle Tank LOCOMOTIVE, std. gauge.
4—6,000 gal. ARA steel TANK CARS.
1—No. 450 KELLY FILTER, iron leaves.

CHEMICAL LABORATORY

COMPLETELY EQUIPPED SAW MILL

COMPLETE UP-TO-DATE PLANING MILL

2—10 ton and 1-6 ton, hand CRANES, 45', 38', 21' span.

MACHINE SHOP—Lathes, Shaper, Planer, Milling Machines, Emery Grinders, Drill Presses, Pipe Machines. ELECTRICAL EQUIPMENT: 10 TRANSFORMERS, 200, 10 K.V.A.

Large number of MOTORS, 1 HP to 150 HP, 3/60/440 and 2300 volts, induction and slip ring. Send for list.

Approx. 14 miles of standard gauge 56-lb. and 45-lb. RAIL.

Iron, Brass, Copper, Aluminum PIPE, FITTINGS, VALVES, 1" to 12", Copper Sheets, Tubes.

MISCELLANEOUS

60—Retort and Coolers, steel plate.
Complete Charcoal Iron BLAST FURNACE.
Air Compressors, Recording Instruments, Electrical Testing Instruments.
Miscellaneous: Large assortment of tools, wrenches, hammers, drills, torches, jacks, reamers, hoists, fans, valves, fittings, bolts, nails, railroad car supplies, shafting, pulleys, hangers, belting.

ASK for your copy of PRINTED CIRCULAR listing everything in detail.

WIRE - PHONE - WRITE

NEWBERRY MANUFACTURING COMPANY
P. O. Box 295, Newberry, Michigan
Telephone: Newberry 16
NEW YORK AGENT:
CONSOLIDATED PRODUCTS COMPANY, INC.
Send Inquiries to Either Address

AVAILABLE

1—STOKES Atmospheric Double Drum Dryer, 24"x48".
1—STOKES Rotary "D" Tablet Machine—M.D.
2—DEVINE No. 9 Vac. Shelf Dryers, 13 shelves, 40"x43".
1—BUFFALO FDY. 24"x20" Bronze Dryer with Scraper Knife and Metal Housing.
1—Double Drum Atmospheric Dryer, 24"x28".
1—ADAMS Copper Basket Extractor, 28" dia.
1—SHRIVER 18" C.I. Filter Press.
1—SHRIVER 12" C.I. Filter Press.
1—ERTEL Bronze Filter, Model EX 110—10 Plates, 21" dia.
1—TOLHURST 48" Suspended Centrifuge — Bottom Discharge — DMD.
1—PFAUDLER Glass Lined Jacketed Receiver, 100 Gal.
1—PFAUDLER 500 Gal. Glass Lined Jacketed Reactor.
1—ROSS MD Pony Mixer—8 Gal. Cap.
7—LEE Stainless Steel Jacketed Kettles, 80 Gal.
10—Aluminum Jacketed Kettles, 80 Gal.

What have you for sale?
Send for Bulletin A-6
MACHINERY & EQUIPMENT CORPORATION (of N.Y.)
533 West Broadway New York 12, N.Y.
GRamercy 5-6680

11—Sharples No. 5A Oil Purifiers, latest type, 2 H.P. Motor Driven.
2—Batteries (6 & 9) Tolhurst 40" Suspended Type Centrifugals, Motor Driven, Bottom Discharge.

1—Chrystie 80'x45' Rot. Dryer.
1—Oliver 8'x10' Rot. Vac. Filter.
2—Dorr 15' Bowl Classifiers.
1—Hardinge 2'x8" Conical Ball Mill.
1—Sturtevant 36" Rock Emery Mill.
1—W. & P. 9 gal Double Arm Mixer, 2 H.P. motor.
1—Sharples No. 6 Centrifuge, 2 H.P.
1—Hammer Mill, 7½ H.P.
1—Adamson 6" Extruder.
25—New stainless Steel Tanks, 100 to 1,000 gals.
2—6 spt. gravity Bottle Fillers.
New Water Stills, Gas and Elec.
10—Pony Mixers, 15 and 40 gals.
500-ft. Ball Bearing Roller Conveyor, 12" wide.
12—Filter Presses, Iron, Wood and Rubber, 18" to 42" sq.
4—Centrifugals, 20", 26" & 40".
5—0000 and No. 0 Raymond Mills.
1—Bonnot 27" dia. Iron Filter Press.
10—Closed Steel Vac. Kettles & Stills, up to 1,000 gals.
12—Vert. Jack. Agit. Kettles & Autoclaves to 1,500 gals.
2—250 & 1,500 gal. lead lined kettles.
1—250 gal. copper jack. vac. Still & Receiver.
1—Pfaudler 350 gal. Jack. Agit. Steel Kettle, Copper Lined.
1—700 gal. steel copper lined vac. Filter Tank.
6—20, 35, 75 & 250 gal. closed, jacketed Copper Kettles.
1—Dopp 50 gal. Jacketed Kettle.
15—50 gal. Steel mixing Tanks.
1—Blystone 2,000 lb. horiz. Paddle Type Steel Mixer.
6—Horizontal Mixers, 20 to 100 gals., Single & Double Arm.
1—Faust 150 gal. Spiral Mixer.
1—Jeffrey Type 2A Electric Vibrator Feeder with Variac Rheostat.
2—4,000 gal. Acid Proof Tanks.
1—Stokes No. 149B, 9"x9" Vac. Pump.
2—Devine Horiz. Vac. Pumps. 8"x6"x4"x6".
1—Devine Vert. Condenser.
2—Worthington 12"x12"x12" Vac. Pumps.
1—National Acme Model C20 stainless Steel Centrifuge.
2—De Laval Multiple Clarifiers, 300 & 301.
2—Rotary Screens, 18"x72".
6—Attrition Mills & Disc Grinders up to 22".
1—Ross 16"x40", 3 Roll Mill.
3—Double Stand Steel 4 Roller Mills, 7"x18" to 7½"x30".
10—Iron Mills, 12", 14" & 18".
8—Stone Mills, 8" to 32".
6—Lead & Paste Mixers to 72 gals.
3—Copper Varnish Kettles, 200 gals.
25—Steel & Wood Tanks, up to 4,000 gals.
1—Schutz-O'Neal 20" Pulverizer.
2—Double Roll Crushers.
1—Williams No. 3 "Regular" type Hammer Mill.
10—Electric Agitators, ¼ to 2 H.P.
20—Rotary, Centrif. & Triplex Pumps.
6—Gas Boilers, up to 10 H.P.

APPROVED DEALER
WAR ASSETS CORP.

Write for Complete Bulletins
We Buy Your Surplus Machinery

STEIN EQUIPMENT COMPANY
Department E
426 BROOME ST., NEW YORK 13, N.Y.
CANAL 6-5147

Velsicol Adds Peters To Eastern Sales Staff

The Velsicol Corporation has appointed Frank C. Peters to its eastern sales staff, with headquarters in New York, to handle the company's line of hydrocarbon resins, aromatic solvents, and insect toxicants in the eastern territory. Mr. Peters, recently released from the Navy, was formerly with Socony-Vacuum Oil Company, the Sherwin-Williams Company and the Valspar Corporation. He is the son of Ned Peters, former president of the National Paint, Varnish and Lacquer Association.

Pumice Deposits Bulletin Offered by N.M. Bureau

New Mexico Bureau of Mines and Mineral Resources is offering Buletin 24, "Building Blocks from Natural Lightweight Materials of New Mexico," which describes pumice and scoria deposits, sieve analyses of lightweight aggregates and properties of test blocks made from them. The bulletin may be ordered from the bureau, at Socorro, N. M., at 50 cents per copy.

MILLS

1—J.H. Day 16"x 40" Three Roller Mill—Slow Speed.

1—Lehman 12"x 30" Three Roller Mill—High Speed.

EMSCO EQUIPMENT COMPANY
EMIL A. SCHROTH, Owner
41 HYATT AVE., NEWARK 5, N. J.
Phone: Mitchell 2-3536

FOR SALE

1—1,800 gal. agitated steel Mash Tub.
1—4 x 6' Atmospheric Drum Dryer.
1—Raymond 0000 Imp Mill.
2—Tolhurst Centrifugals, 40" and 26".
1—No. 10 Day Imperial Mixer.
10—(New) 250 gal. closed Aluminum Tanks.
2—1,000 gal. closed Lead Lined Tanks.
2—3-roll Mills: 16x40 and 9x24".
1—6' Buflovak Vacuum Crystallizer.
4—Portable Elevators—500 and 1,000 lb.
1—10 x 20 x 12" Union Dry Vacuum Pump.
1—No. 600 De Laval Clarifier.
5—100 gal. Steel Tanks with agitators.
4—Water Stills; 10 and 25 G.P.H.
1—300 gal. jac. ag. Glass lined Tank.

What equipment have you for sale?
LOEB EQUIPMENT SUPPLY CO.
909N. Marshfield Ave., Chicago 22, Ill.

DESIRABLE

1—Kent 3 roll water cooled mill—12x30.
2—40" Tolhurst extractors.
1—125 gallon high pressure autoclave.
10—Portable agitators, slow and high speed, AC and DC.
6—Peerless-Day - Triumph dough mixers, 1½ to 6 barrel.

!! NEW !!
Stainless Steel Tanks & Kettles 30 to 250 gallon
Dry Powder Mixers—400-2,000 Lbs.

10—Copper-aluminum-stainless steel kettles.
2—Compression belts—6' and 11'.
10—New 6 spout siphon fillers.
2—Burt all round labelers for No. 2 and 2½ cans.
8—World - National - Ermold semi-automatic labelers.

CAPITALIZE ON YOUR SURPLUS
WE BUY SINGLE UNITS UP TO COMPLETE PLANTS—SEND FOR OUR LATEST BULLETIN.

Chemical & Process Machinery Corp.
146-8 Grand Street New York 13, N.Y.
Tel. WOrth 4-8130

Business Wants and Offers

RATES PER INSERTION—PAYABLE IN ADVANCE

Help Wanted and Positions Sought—Minimum $2.00, thirty-six words or less; 35c for each additional six words.

All Other Classified Advertisements—$5.00 thirty-six words or less; 85c for each additional six words or fraction.

AGENCIES OFFERED

Local Representative wanted by manufacturer of fine chemicals, pharmaceuticals. Commission basis. State territory regularly covered, experience and present lines, etc. OPD 885.

Distributors or sales agents for Lamepon, nationally known unique basic organic surface-active agent combining the following properties: detergency, emulsification, wetting, dispersion, levelling, foaming, lime stability, rinsibility. Used in all textile processing, fur and leather processing, laundries, in soap and detergent powders, car washes, cosmetics, shampoos, bubble baths, insecticides, emulsions, etc. OPD 886.

AGENCIES WANTED

Manufacturers agent: experienced salesman, covering Texas, New Mexico, Louisiana and parts of Oklahoma desires to contact manufacturers of industrial chemicals, chemical machinery, biologicals, etc. for representation on a commission basis in the above named states. Manufacturers agent, P. O. Box No. 8, Folsom, New Mexico.

BUSINESS OFFERED

Wholesale and retail crude drug and spice business. Established 20 years. Downtown New York. OPD 880.

EQUIPMENT OFFERED

For sale: 5 MO 250 230 V 5000 W Immersion Heaters and 1 Chromalox Thermostat 100°-550°F. This equipment is new and has never been used. OPD 875.

Stainless steel tanks: 30 gallons, grate bottom, reinforced sides, bolted cover. Fitting holes in tank and cover. Three perforated plates inside. 5 gallon pressure vessels; easily removable lug cover. Fittings: top, sides, and bottom. Heavy gauge. Sanford Color & Chemical Co., 72 Michigan avenue, Paterson, N. J. La 3-0121.

For sale: slightly used four eyed closed delivery washing type 24 in. square aluminum filter press, with 18 plates and a set of stainless steel perforated screens all in perfect condition. OPD 883.

3 phase motors: 2-3-10-20 HP, new 20 HP gear motor, 10 HP DC motor, No. 4 Mikro pulverizer-00 Raymond mill, 5 HP speed reducer, 2-200 gal. closed copper tanks, 5 ft. by 30 ft. rotary kiln, Ross paste mixer. Lawler Company, Durham avenue and L.V.R.R., Metuchen, N. J.

EQUIPMENT WANTED

Chemical equipment, new or used: 50 200-gal. glass-lined jacketed closed reactors, complete: 50 100-gal. glass-lined stills; 50 100-gal. stainless or monel stills; 1½u-gal. glass-lined and stainless steel storage tanks, jacketed and unjacketed. Drying ovens, tray or truck-tray type; steam or electrically heated. OPD 849.

EQUIPMENT WANTED

Royle No. 1 extruding machine. Advise price, condition, location, age. OPD 881.

MATERIALS OFFERED

Luminous Calcium "Calux" Brand, the dependable pioneer luminous paint pigment of the U. S. No grinding required. 100 lb. lots at $1.25 lb. Also marine varnish type luminous paint. American Luminous Products Co., Huntington Park, Calif. Since 1914.

MATERIALS WANTED

Off-grade or prime organic solvents such as acetates, alcohols, ketones, aromatic and aliphatic hydrocarbons. Also obsolete, contaminated or reclaimed lacquer thinners, solvent cleaners, reducers or allied solvent blends; in lots of 500 gallons or more. Describe fully stating shipping point and best price; or we will make offer. OPD 803.

To manufacturers and jobbers: Are you overstocked? We require immediately large or small lots, many items, chemicals, pharmaceuticals, solvents, aromatics, waxes, other supplies. Submit offerings at once. Correspondence treated confidentially. OPD 858.

PARTNER WANTED

hemist, chemical engineer establishing drug manufacturing concern, seeks third party to act as contact man to trade. Capital investment essential. Box number, OPD 878.

POSITIONS VACANT

Dye chemist—one experienced in indigo's, etc. OPD 852.

Paint and varnish chemist: Medium size, well-known and progressive Eastern manufacturer has a really good opportunity to offer for a man who has general all-around experience with shelf goods, varnishes and industrials. Excellent salary and bonus arrangement. Rest assured your replies will be held strictly confidential. Our employees know of this ad. OPD 861.

Grease technologist: excellent opportunity for chemist or chemical engineer with ability to apply practical experience to the development of all types of lubricating greases. Sound chemical background required. Major Oil Company. Metropolitan New York. OPD 871.

Chemist Wanted—Experienced in the manufacturing of organic and inorganic colors, or an assistant. State age, experience and references. Harold B. Swett, Sec'y., 55 West 42nd street, New York 18, N. Y.

Manufacturer: has position open for salesman with technical background and experience in application of textile lubricants for processing rayon, silk, nylon, wool and worsted fabrics. Past experience selling these materials necessary. Good salary, traveling expenses, plus commission for individual having above qualifications. OPD 879.

POSITIONS VACANT

Chemist-production manager: to make complete line of insecticides and household products, including self-polishing liquid and paste waxes, furniture polishes, disinfectants, etc. Also develop new items retailing from ten cents to $1.50, to be sold through grocer, drug, hardware, department, and variety stores. This is a good opportunity with a young company doing a national business, advertising nationally, and with an established national sales organization. Location, Birmingham, Alabama. Starting salary $300.00 per month with moving expenses paid. Will only consider man experienced in household products; not over 45 years old. Confidential. OPD 876.

Wanted—paint chemist by well established firm. Preferably experienced trade sales or industrial finishes formulator. State qualifications and salary desired when replying. Excellent future. OPD 882.

POSITIONS WANTED

Chemists, chemical engineers, pharmacists, biologists and pharmacologists, and for executives and production managers in the chemical and related industries, phone COrtland 7-9650 or write Chemical Department, Position Securing Bureau (Agency), 45 John street, New York.

Purchasing agent or assistant: young, progressive. College background. Chemicals, oils, botanicals, allied products. Packaging and printing. Thorough knowledge purchasing methods and procedures. Experienced all materials and supplies. Capable department manager. Best references. OPD 887.

Chemical Sales:—Twenty years as top-flight sales executive in marketing tonnage quantities of industrial and agricultural chemicals desires to make change. All offers will be held in confidence. OPD 888.

SERVICES OFFERED

New and modern equipment for quantity tube filling, also powder and liquids; the production of all types of tablets, expert coating. Two research laboratories, to handle all phases of chemical and biological assays, testing of materials, etc. Contract work a specialty. Lanteen Medical Laboratories, Inc., 900 N Franklin street, Chicago 10, Ill.

GUM BENZOIN NATURAL

Available Again

Box No 877, Oil, Paint and Drug Reporter

BOTANICAL DRUGS

Experienced trader in domestic and foreign markets wanted. Good salary and prospects.

Box 884
Oil, Paint and Drug Reporter

Oils, Fats, and Waxes

—Continued from page 73

f.o.b. Pacific coast and the market was considered nominal at this figure.

Animal Oils

Grease Oil—Prices were advanced about 3c. per pound, for all grades. Trading was reported fair at the higher levels.

Neatsfoot Oil—This market also was higher and pure stock was boosted to 21c. per pound, drums, New York. Production here has been resumed, but was limited, as yet. Cold pressed grades were practically unavailable and prices nominal.

Oleo—Trading was reported in extra at 19½c. per pound, tierces, carlots and at 21¼c., in lesser quantities, Chicago.

Fatty Acids

Stearic Acid — Prices were well maintained at the recent increases. Makers limited trading to small lots to regular customers. Producers were reported to have purchased sizable quantities of tallow and grease above ceilings last week.

Cake and Meal

Linseed Meal—Production in the East was reported sold up at about $85 per ton. Consuming inquiry continued active.

Minneapolis, July 17.—Demand for meal continued brisk and while buyers questioned high prices on other feedstuffs they paid $85.00 per ton for available meal supplies without a quibble. Mills were shipping as fast as production came out and failed to satisfy the spot demand, let alone futures.

Shipments of linseed meal, in pounds, were as follows:—

	1945-46	1944-45
This week.....	5,880,000	5,100,000
Since Sept. 1.....	281,442,000	231,610,000

Professional Services

Analysis—Testing—Patents Formulations—Trademarks

(For further details see listings in OPD Green Book.)

Jerome Alexander
50 East 41st St., New York 17, N. Y.

Arlinco Research Laboratory, Inc.
333 West 52nd St., New York 19, N. Y.

Assn. of Consulting Chemists & Chemical Engineers, Inc.
50 East 41st St., New York 17, N. Y.

Johan Bjorksten, Ph.D.
185 N. Wabash Ave., Chicago 1, Ill.

Bureau of Chemistry
2 Broadway, New York 4, N. Y.

Di Cyan & Brown
12 East 41st St., New York 17, N. Y.

The Edwal Laboratories, Inc.
732 Federal St., Chicago 5, Ill.

Dr. J. Ehrlich
153 S. Doheny Dr., Beverly Hills, Calif.

Ellis-Foster Company
4 Cherry St., Montclair, N. J.

Ralph L. Evans Associates
250 East 43rd St., New York 17, N. Y.

Food Research Laboratories, Inc.
48-14 33rd St., Long Island City 1, N.Y.

E. M. Laning Company
433 Stuyvesant Ave., Irvington 11, N.J.

LaWall & Harrisson
1921 Walnut St., Philadelphia 3, Pa.

Leberco Laboratories
36 Roosevelt Ave., Bloomfield, N. J.

Molnar Laboratories
211 East 19th St., New York 3, N. Y.

James C. Munch
306 So. 69th St., Upper Darby, Pa.

Orthmann Laboratories, Inc.
647 W. Virginia St., Milwaukee, Wis.

W. S. Purdy Company, Inc.
18 Bridge St., Brooklyn 1, N. Y.

Schwarz Laboratories, Inc.
202 East 44th St., New York 17, N. Y.

Foster D. Snell, Inc.
303 Washington St., Brooklyn 1, N. Y.

Stillwell & Gladding, Inc.
130 Cedar St., New York 6, N. Y.

Herbert Waterman
2100 Roselin Pl., Los Angeles 26, Calif.

Wiley & Company, Inc.
Calvert & Read Sts., Baltimore 2, Md.

WE BOUGHT ANOTHER ENTIRE PLANT (**ALL THE EQUIPMENT OF THE OLD BUFFALO WILDROOT PLANT — FOR SALE**)

All of Wildroot's old plant equipment was purchased and is now offered for sale. (Wildroot has since moved to a new and larger building with new equipment.) EVERYTHING PRICED TO SELL IMMEDIATELY!

GLASS LINED TANKS — FILTERS — JACKETED KETTLES, ETC.
IMMEDIATE DELIVERY of the following equipment:

1—10,000 Gallon Pfaudler Glass Lined Tank, 7'6" O.D. x 35'0" Lg. with 10-36", 2-30" rings.
1—3,500 Gallon Pfaudler Glass Lined Tank, 6'6" O.D. x 15'-0" Lg. with 6-30" rings.
1—2,800 Gallon Pfaudler Glass Lined Tank, 6'6" O.D. x 12'-0" Lg. with 5-30" rings.
1—2,000 Gallon Pfaudler Glass Lined Tank, 7'-0" O.D. x 7'-0" high with 2-42" rings.
1—Vertical Glass Lined Open Top Tank, 3'-0" I.D. x 4'-0" straight side.
1—Copper Tank, 35"x70".
1—Steam-jacketed Copper Kettle, 50" I.D. at top x 33" deep, ½ jacket.
Steam-jacketed Copper Kettle, 45" I.D. at top x 33" deep, ½ jacket.
Steam-jacketed Copper Kettle, 34" I.D. at top x 27" deep, ½ jacket.
Steam-jacketed Copper Kettle, 30" I.D. at top x 22" deep, ½ jacket.
Hoffman-Ahlers Copper Still.
Two Nickel Steam-Jacketed Kettles with agitator and stand.
First—33" I.D. x 33" deep, ½ jacket.
Second—30" I.D. x 22" deep, 1/3 jacket.

J. H. Day Mixer, Size D.
Small mixing kettle.
3—2,200 Gallon Pfaudler Glass Lined Tanks, 7'-0" O.D. x 8' high. Dished top and bottom heads. Adjustable stands.
Jewell Polar Still.
1—320 gallon Vertical glass lined tank with glass coated paddle type agitator. Pulley and gear reduction unit.
1—750 gallon Pfaudler Glass Lined tank, 4'6" O.D. x 8'9" high, with 1-41" ring and 1-48" ring, open top and dished bottom.
1—440 gallon Glass lined tank, 5'6" O.D. x 3'6", in stand which is 7'5" overall. Open top with wood cover.
"Good Taste" Filter with Screens.
Shriver 12"x12" cast iron filter press.
1—5,300 gallon Pfaudler glass lined tank, 7' O.D. x 22'6" high with 6-42" rings. Open top with dished bottom and 16" manhole in bottom ring.
2—9,000 Gallon Pfaudler Glass Lined Tanks, 9'0" O.D. x 21'-0" Lg. No covers. Dished bottoms. One with manholes in 1st, 3rd, and 5th rings. One with manholes in 1st, 3rd, 5th and 7th rings.

1—6,700 Gallon Pfaudler Glass Lined Tank, 9'0" O.D. x 20'-0" Lg. No cover. Manholes 1st, 5th and 6th rings.
1—3,400 Gallon Pfaudler Glass Lined Open Tank, 8'-0" O.D. x 10'-0" Lg. (not incl. heads). Manhole 1st ring.
3—5,500 Gallon each, steel tanks 18'6" diameter x 8' on the straight side. (9' overall high). With dished bottom, open top with wood cover, made of quarter-inch steel plate with 3/8" head and 8-1" level outlets.
2—1,100 Gallon Welded steel, open top tank, 5'0" diameter x 7'-0" high (not incl. head).
1—3,150 gallon Pfaudler Glass Lined Tank, 8' O.D. (?) x 11'3" overall high with 3-30" rings and 1-15" ring, 12"x12" manhole in bottom ring, dished top and bottom.
1—3,075 gallon Pfaudler Glass Lined Tank, 8' O.D. x 11' high, overall with 2-30" rings and 1-42" ring. 12"x 15" manhole in 42" ring. Dished top and bottom.
"Good Taste" Filter with screens.
Double pipe brine cooler (condensor).
2—Stainless Steel Tanks, 14'0" long x 4' wide x 28" deep, of 3/8" material.

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Ferro Enamel Adds To Color Research Staff

Orville O. Kenworthy, until recently with the Chemical Warfare Service as a Lieutenant Colonel, has been added to the staff of the color division of the Ferro Enamel Corporation, Cleveland. In his new post he will engage in research and development work in the field of inorganic coloring materials for glass, pottery and plastics. Prior to the war, Mr. Kenworthy was associated with B. F. Drakenfeld & Co., New York.

Natural Rubber Content Of Tires Increased by CPA

The Civilian Production Administration has announced that the natural rubber content in passenger car tires has been increased 10.5 percent, and that truck and bus tires will receive a substantial share of the 11,000 additional long tons which will be made available to industry each month during the rest of the year.

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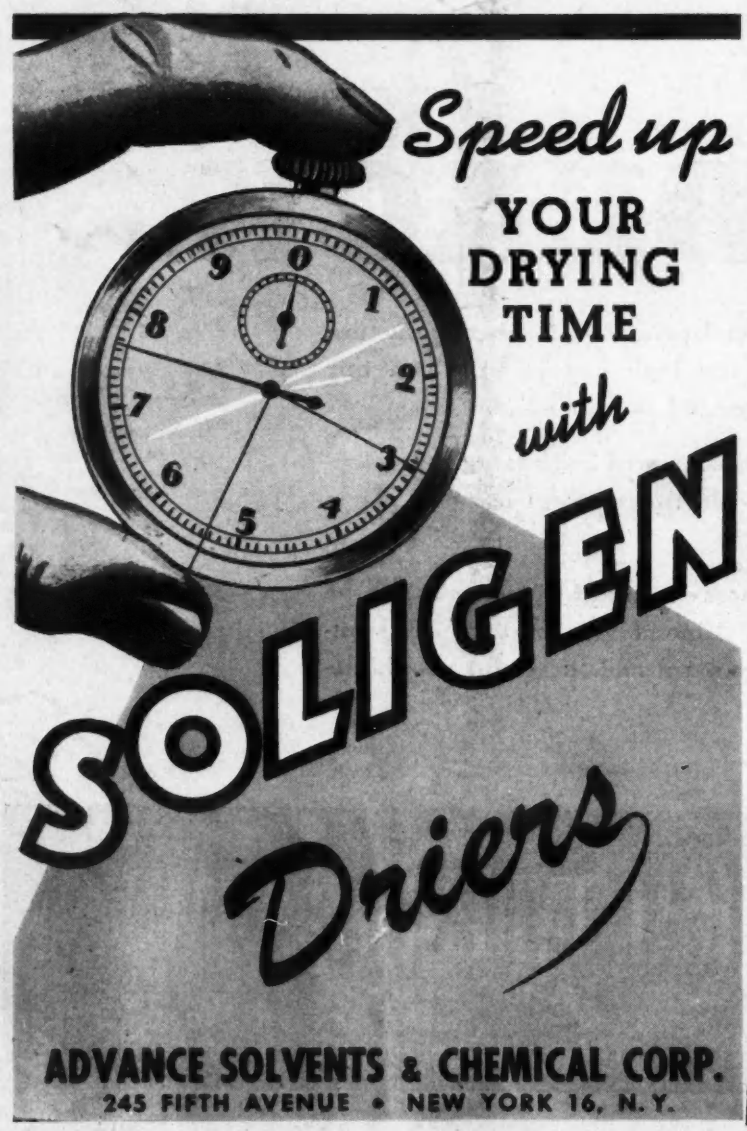

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